

U.S. Department of Transportation

Federal Aviation Administration





April 12, 1998 - April 18, 1998

Summary

GENERAL AVIATION, ZAC-327

You can improve Air Safety by reporting the problem when you see it!

SECTION

- I Significant Occurence Report
- **II Domestic Service Difficulty Report**
- III International Service Difficulty Report
- IV SDR Totals by District Office
- V Index By Aircraft Make and Model
- ISSUE: 98-16 VI Joint Aircraft System/Component Code Table



SDR SUMMARY

General Aviation, ZAC-327



This summary includes domestic (United States) Service Difficulty Reports (SDRs) entered into the data base for aircraft weighing 12,500 lbs. and below. It also includes reports on aeronautical products (engines, propellers, and components), and all helicopters. A separate section for International SDRs for aircraft weighing 12,500 lbs. and under has also been included. Under a data exchange agreement, International SDRs are submitted to the FAA by the Civil Aviation Authority of other countries (currently, Canada - CAN, and Australia - AUS). All reports are sorted by aircraft make, model group (basic model), and Joint Aircraft System/Component (JASC) code. Within each aircraft model group, the specific model shown may vary, but similar types of reports will be grouped together and listed in ascending order by their JASC code. Each field contains all information submitted to the FAA. Some fields are not included in order to make the summary easier to read. Additional information may be obtained by referring to the "operator control number." Send your request to the Aviation Data Systems Branch, AFS-620 at the address or phone below.

The Regulatory Support Division (AFS-600) has established a "HomePage" on the Internet through which the same information is available. There is a large quantity of other information available through the AFS-600 HomePage such as the most current SDR system codes (i.e., Joint Aircraft System\Component Codes). The SDR Question and Answer Section of the Summary will also be transferred to the AFS-600 HomePage to simplify the process of preparing the SDR Summaries in the PDF format each week. There are "hot buttons" to take you to other locations and sites where FAA Flight Standards Service Information is available. The AFS-600 "HomePage" address is:

http://www.mmac.jccbi.gov/afs/afs600

"The Service Difficulty Reports in this publication are derived from unverified information submitted by the aviation community without FAA verification for accuracy. The number of SDRs submitted is not an indication of the mechanical reliability or fitness of an airline or individual operator, and the information should not be used as such."

Comments are welcomed and may be directed to:

Federal Aviation Administration Aviation Data Systems Branch, AFS-620 P.O. Box 25082 Oklahoma City, OK 73125-5029

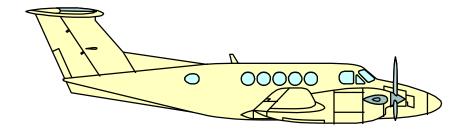
Phone: (405) 954-4171, Fax: (405) 954-4748

Your continued participation is essential and is an integral part of ensuring aviation safety. Thank you for supporting the Service Difficulty Program! If you have any questions regarding this special notice you can contact John Jackson at (405) 954-6486, or Jim Gillespie at (405) 954-1141, or Blake McDonald at (405) 954-0307 in the Aviation Systems Branch (AFS-620). Their E-mail addresses are:

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james_gillespie@mmacmail.jccbi.gov

blake_mcdonald@mmacmail.jccbi.gov



SIGNIFICANT OCCURRENCE REPORT





THE SIGNIFICANT OCCURRENCE REPORT



The Significant Occurrence Report is a compilation all of the star bordered reports that appear in the General Aviation Service Difficulty Report (SDR) Summary, ZAC-327. The Significant Occurrence Report is used to highlight industry problem areas to field inspectors and the aviation public.

Limited analysis is performed by the Aviation Data Systems Branch, AFS-620 during the preparation of the "Significant Occurrence Report", which is generated each week and is included in the front of the Air Carrier SDR Summary. Significant Reports are hand selected by AFS-620's inspectors based on the individual merit of each report. The criteria for selection includes, but is not limited to, items that indicate high failure rates; items related to accidents or incidents; or design or maintenance failures which may affect the safe operation of the aircraft.

In some cases, this limited analysis of SDR data leads to the preparation of information bulletins which are routed to the appropriate product certification office for further investigation of the problem. The end result may be the issuance of an airworthiness directive (AD) by the Aircraft Certification Service (AIR) if warranted.

The Significant Occurrence Report (section I) of the weekly SDR Summary is not intended to be a summary of all significant events and should not be used as such. We recommend that you review further the applicable sections of the SDR summary that may be of interest.

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|---|---|--|---|--|--|--|-------------------------|--|
| 7120 | 7288M | CESSNA | | | | BRACKET | CRACKED | 3565 | 3/19/98 |
| | 55588 | 175 | | | | 051313210 | ENG MT UPPER | | 98ZZZX1461 |
| **** | | EA IS DIFFICULT TO INS | | | | | TS FOUND TO HAVE SIMILAI COVERED UP BY INSULATIO | | , |
| 7120 | 90045 | CESSNA | | | | BRACKET | CRACKED | | 3/18/98 |
| | 56603 | 175A | | | | 051313211 | ENG MT UPPER | | 98ZZZX1464 |
| **** | | | | | | ER FOUND WITH CRACKE NT BOLT/NUT AND WASH | ED BRACKETS. VISUAL INSP ERS. | ECTION IS | SATISFACTORY TO |
| 3221 | 9345C | CESSNA | | | | BOLT | CORRODED | | 3/18/98 |
| | 31743 | 180 | | | | AN526A | TAIL WHEEL | | 98ZZZX1463 |
| **** | | | | | | FOR INSPECTION. BOTH B TAIL WHEEL AIRCRAFT. | OLTS WERE FOUND CORRO | DED APPRO | OXIMATELY 50 |
| 7322 | 9109G | CESSNA | CONT | | FACET | PLUG | MISSING | 1752 | 3/3/98 |
| | 18260649 | 182N | O470P | | MA45 | 9944 | CARBURETOR BOWL | | 98ZZZX1476 |
| **** | | EOFF, ENGINE RUNNIN OWL. NO SAFETY WIRE | | ERUPTED. AFTER L | ANDING, INSPECTION | ON FOUND FIRE IN ENGIN | E COMPARTMENT DUE TO M | ISSING DE | RAIN PLUG FROM |
| 3230 | 2616D | CESSNA | | | | BOLT | FAILED | | 4/1/98 |
| BR0A | 402C0115 | 402C | | | | AN17520 | LT MLG TORQ LINK | | 98ZZZX1486 |
| **** | LITTLE OR NO AP LEFT HAND TOR(| PPLIED BRAKING ACTION OF THE MA | ON, IT STARTED TO V IN GEAR HAD SEPAR | WOBBLE AND VEERE RATED CAUSING THE | ED TO THE LEFT CO E ACFT TO VEER TO | MING TO A STOP OFF OF THE LEFT. THE BOLT FO | ND THEN ON THE LEFT. AS A THE LEFT HAND SIDE OF THI R THE TORQUE LINKS WAS S COTTER PIN WERE STILL IN | E RUNWAY STILL IN TI | Y. APPARENTLY, THE HE LOWER LINK, AND |
| 6710 | 313KA | KAMAN | | | | LIMITER | BINDING | 1385 | 1/14/98 |
| | 940019 | K1200 | | | | K982100001 | COLLECTIVE CRANK | | 98ZZZX1408 |
| **** | NORMAL. 12-10-9 OUTSIDE DIAMET RANGE OF OPERA | 97: COLLECTIVE LIMIT ΓER AND CRANK (ALUI | ER INPUT CRANK FC MINUM) 1.0. AT EAC 1.6 TO 261.4 HOURS. 1 | OUND TO HAVE INTE H LIMITER CHANGE, NO PART NUMBERS A | RMITTENT BINDING THE BINDING OF T | G ON COLLECTIVE SHAFT HE CRANK TO THE SHAFT | ER EACH INSTALL, AIRCRAI AT DISASSEMBLY. CORROS WAS LOOSENED AND OPER COMMEND A MIL SPEC CORF | SION FOUN RATIONS W | ID ON SHAFT (STEEL) 'ERE NORMAL FOR A |
| 7210 | | MTSBSI | GARRTT | | | BULL GEAR | FAILED | | 2/21/97 |
| | | MU2B35 | TPE3316 | | | 8937394 | GR BOX | 1755 | CA970226002 |
| **** | BASE AND/OR TH TEETH ON THE H | IE WEB DISK OR THE D | ISK RADIUS. COULD D LOSS OF DRIVE FRO | HAVE BEEN CAUSE | D BY FOREIGN OBJ | ECT ENTERING THE GEAR | HE BULL GEAR HAD FAILED MESH AREA. DAMAGE TO ON NOF THE SCAVENGE PUMP. | GEAR CAU | SED LOSS OF ALL |
| 7120 | 6367C | PIPER | | | | MOUNT | MAGNETIZED | | 4/2/98 |
| | 28R7837162 | PA28R201 | | | | 6711957 | ENGINE | | 98ZZZX1483 |
| **** | ON THE UPPER RI | | EWALL ATTACH POI | NTS. SUBMITTER SU | SPECTS THIS OCCU | | IEADING. FOUND THE ENGI FWAS REPAIRED WITH AN A | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|---|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 2750 | | ZLIN | | | MORAVAN | FLAP CONTROL | DEFECTIVE | 1130 | 4/22/97 |
| | | Z242L | | | Z14343110000 | CSN02210724 | DETENT PIN | | CA970918003 |
| **** | (-) | Γ OF DOING A FLEET I MMENDS INSPECTING | | P CONTROL LEVER | DETENT PIN WAS FC | OUND MIGRATING OUT OF | FPOSITION DUE TO FAILU | RE OF THE | COTTER PIN. |

(End of GENERAL AVIATION SIGNIFICANT OCCURRENCE REPORT)

Run Date: 23-Apr-98

FEDERAL AVIATION ADMINISTRATION SIGNIFICANT OCCURRENCE REPORT INDEX

Showing Specific Part Numbers and Aircraft Model by Year

FOR THE PERIOD OF: 4/12/98 To 4/18/98

| PART NUMBER | | | | | | | | YEA | R | | | | | |
|-------------------------------|------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| PART NAME | ACFT MODEL | TOTAL | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
| 03601018 BEARING | BAE125800A | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| | SA227AT | 1 | - | - | - | - | - | - | - | - | - | 1 | - | - |
| | unknown | 1 | | | | | | | | | | 1 | | |
| TOTAL of # 03601018 | 3 | 3 | - | - | - | - | - | - | - | - | - | 2 | - | 1 |
| 051313210 BRACKET | 175 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| | 175A | 1 | | | | | | | | | | | | 1 |
| TOTAL of # 05131321 | 10 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 |
| 051313211 BRACKET | 175 | 2 | - | - | - | - | - | - | - | - | - | 1 | - | 1 |
| | 175A | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TOTAL of # 05131321 | 1 | 3 | | | | | | | | | | 1 | - | 2 |
| 2121051R35 ROTOR | unknown | 1 | | _ | _ | | | | _ | | _ | | _ | 1 |
| TOTAL of # 21210511 | R35 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| 213111059 COMBUSTION LINER | unknown | 1 | | | | | | | | | | | | 1 |
| TOTAL of # 21311105 | 59 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| 6711957 ENGINE MOUNT | PA28R200 | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - |
| MOUNT | PA28R200 | 2 | - | - | - | - | - | - | - | 1 | 1 | - | - | - |
| | PA28R201 | 2 | - | - | - | - | 1 | - | - | - | - | - | - | 1 |
| | PA28R201T | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - |

FAA SIGNIFICANT OCCURRENCE REPORT INDEX 4/12/98 To 4/18/98 (cont'd)

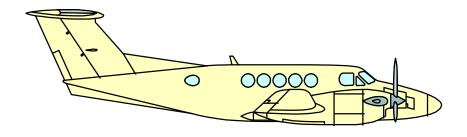
| PART NUMBER | | . <u>-</u> | | | | | | YEA | R | | | | | |
|------------------------------|------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| PART NAME | ACFT MODEL | TOTAL | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
| TOTAL of # 6711957 | | 6 | | | | | 2 | | | 2 | 1 | | | 1 |
| 6726656244 RETAINING RING | 206L3 | 1 | - | - | - | - | - | 1 | - | - | - | - | - | - |
| | unknown | 1 | | | | | | | | | | | | 1 |
| TOTAL of # 6726656 | 244 | 2 | - | - | - | - | - | 1 | - | - | - | - | - | 1 |
| 8937394 BULL GEAR | MU2B35 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TOTAL of # 8937394 | | 1 | | | | | | | | | | | | 1 |
| 9944 PLUG | 180F | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - |
| | 182N | 1 | | | | | | | | | | | | 1 |
| TOTAL of # 9944 | | 2 | - | - | - | - | 1 | - | - | - | - | - | - | 1 |
| AN17520 BOLT | 310Q | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - |
| | 402C | 2 | - | - | - | - | - | 1 | - | - | - | - | - | 1 |
| | 402C | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - |
| | 421B | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - |
| | 421C | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LINK BOLT | 421C | 1 | - | - | - | - | - | 1 | - | - | - | - | - | - |
| TOTAL of # AN1752 | 0 | 7 | | | _ | | | 2 | 1 | 1 | 1 | | | 2 |
| AN526A BOLT | 180 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TOTAL of # AN526A | | 1 | | | | | | | | | | | | 1 |
| B178008 PULLEY | HAWKER1000 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TOTAL of # B178008 | } | 1 | | | | | | | | | | | | 1 |
| CSN02210724 FLAP CONTROL | Z242L | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |

FAA SIGNIFICANT OCCURRENCE REPORT INDEX 4/12/98 To 4/18/98 (cont'd)

| PART NUMBER | <u></u> | | | | | | | YEA | .R | | | | | |
|------------------------------|--|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| PART NAME | ACFT MODEL | TOTAL | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
| TOTAL of # CS | N02210724 | 1 | - | - | - | - | - | - | | - | | - | | 1 |
| K982100001 LIMITER | K1200 | 1 | | | | | | | | | | | | 1 |
| TOTAL of # K98 | 82100001 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| · · · | PART NUMBERS: COCCURRENCE REPORT INDEX | 32 | - | | | - | 3 | 3 | 1 | 3 | 2 | 3 | | 17 |



DOMESTIC SERVICE DIFFICULTY REPORT



| OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|------|---|--|--|--|--|---|---|--|--|
| 2150 | 3255U | BEECH | | | | BEARING | FAILED | 308 | 3/18/98 |
| | TH1750 | 58 | | | 585550137 | 203SZZ | LT ENG AIR COND | | 98ZZZX1460 |
| | | WERE GONE. ONLY IN | | | | | RATED. PULLEY WAS HELI AFT IN 307.8 HOURS. PREV | | |
| 3244 | 131BA | BEECH | | | | TIRE | LEAK | | 4/6/98 |
| | LD297 | 65B80 | | | | | WEEP HOLES | | 98ZZZX1478 |
| | MARK THE TIRES | | O THE COMPANY. T | | | | EEN RETREADED BY REPA EAK. THE WEEP HOLES AR | | |
| 7120 | 8311J | CESSNA | | | | BRACKET | DISPLACED | 3384 | 3/27/98 |
| MOGR | 15066211 | 150G | | | | 04112815 | ENG MT LT | | 98ZZZX1484 |
| | FOUND LEFT LOW UNKNOWN. NOT | | RACKET DISPLACED | FROM NORMAL POS | ITION. THIS MAY HA | AVE OCCURRED DURING | UNDOCUMENTED REPAIR | IN AREA B | Y PERSONS |
| 3242 | 4725D | CESSNA | | | PARKERHANFIN | BRAKE DISC | CRACKED | | 4/1/98 |
| | 17272340 | 172N | | | | | MLG | | 98ZZZX1468 |
| | THREE CRACKS R LIKE THIS IN THE | | S THE DISC. CRACK | S EXTENDED THROU | JGH THE DISC AND V | WERE FOUND BY VISUAI | INSPECTION. THIS IS THE | THIRD DIS | C FOUND CRACKED |
| 120 | 7288M | CESSNA | | | | BRACKET | CRACKED | 3565 | 3/19/98 |
| | | | | | | Diarcher | | 3303 | 3/19/90 |
| | 55588 | 175 | | | | 051313210 | ENG MT UPPER | 3303 | 98ZZZX1461 |
| | LOWER RIGHT FI | 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS | | | | 051313210 EFT AND RIGHT BRACKE | | R CRACKS, | 98ZZZX1461 BUT NOT AS |
| **** | LOWER RIGHT FII EXTENSIVE. ARE | 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS | | | | 051313210 EFT AND RIGHT BRACKE | ENG MT UPPER IS FOUND TO HAVE SIMILA | R CRACKS, On. NEW P | 98ZZZX1461 BUT NOT AS |
| 7120 | LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O | 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS DRIGINAL. | | | | 051313210 EFT AND RIGHT BRACKE D BRACKETS ARE OFTEN | ENG MT UPPER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI | R CRACKS, On. NEW P | 98ZZZX1461 BUT NOT AS ARTS ARE .010 INCI |
| **** | LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 7288M 55588 LOWER RIGHT FII | 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS BRIGINAL. CESSNA 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS | PECT AS ENGINE MC | UNT BOLTS NEED TO | O BE REMOVED AND | 051313210 EFT AND RIGHT BRACKE D BRACKETS ARE OFTEN BRACKET 051313211 EFT AND RIGHT BRACKE | ENG MT UPPER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED | AR CRACKS, ON. NEW F 3565 AR CRACKS, | 98ZZZX1461 BUT NOT AS ARTS ARE .010 INCI 3/19/98 98ZZZX1462 BUT NOT AS |
| 7120 | LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 7288M 55588 LOWER RIGHT FII EXTENSIVE. ARE | 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS BRIGINAL. CESSNA 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS | PECT AS ENGINE MC | UNT BOLTS NEED TO | O BE REMOVED AND | 051313210 EFT AND RIGHT BRACKE D BRACKETS ARE OFTEN BRACKET 051313211 EFT AND RIGHT BRACKE | ENG MT UPPER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LOWER IS FOUND TO HAVE SIMILA | AR CRACKS, ON. NEW F 3565 AR CRACKS, | 98ZZZX1461 BUT NOT AS ARTS ARE .010 INCI 3/19/98 98ZZZX1462 BUT NOT AS |
| **** | LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 7288M 55588 LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O | 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS ORIGINAL. CESSNA 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS ORIGINAL. | PECT AS ENGINE MC | UNT BOLTS NEED TO | O BE REMOVED AND | 051313210 EFT AND RIGHT BRACKE'D BRACKETS ARE OFTEN BRACKET 051313211 EFT AND RIGHT BRACKE'D BRACKETS ARE OFTEN | ENG MT UPPER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LOWER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI | AR CRACKS, ON. NEW F 3565 AR CRACKS, | 98ZZZX1461 BUT NOT AS PARTS ARE .010 INCL 3/19/98 98ZZZX1462 BUT NOT AS PARTS ARE .010 INCL |
| 7120 | LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 7288M 55588 LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 90045 56603 CRACK RADIATIN | 175 REWALL ENGINE MOUT A IS DIFFICULT TO INS PRIGINAL. CESSNA 175 REWALL ENGINE MOUT A IS DIFFICULT TO INS PRIGINAL. CESSNA 175A NG FROM ENGINE MOUT | PECT AS ENGINE MO NT BRACKET FOUND PECT AS ENGINE MO NT BOLT HOLE. THE | CRACKED INTO TW UNT BOLTS NEED TO S IS THE SECOND CE | O BE REMOVED AND O PIECES. UPPER LE O BE REMOVED AND SSNA 175 SUBMITTE | 051313210 EFT AND RIGHT BRACKE' D BRACKETS ARE OFTEN BRACKET 051313211 EFT AND RIGHT BRACKE' D BRACKETS ARE OFTEN BRACKET 051313210 | ENG MT UPPER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LOWER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LT LOWER ID BRACKETS. VISUAL INSE | 3565 R CRACKS, ON. NEW F | 98ZZZX1461 BUT NOT AS PARTS ARE .010 INCI 3/19/98 98ZZZX1462 BUT NOT AS PARTS ARE .010 INCI 3/18/98 98ZZZX1466 |
| 120 | LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 7288M 55588 LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 90045 56603 CRACK RADIATIN | 175 REWALL ENGINE MOUT A IS DIFFICULT TO INS PRIGINAL. CESSNA 175 REWALL ENGINE MOUT A IS DIFFICULT TO INS PRIGINAL. CESSNA 175A NG FROM ENGINE MOUT | PECT AS ENGINE MO NT BRACKET FOUND PECT AS ENGINE MO NT BOLT HOLE. THE | CRACKED INTO TW UNT BOLTS NEED TO S IS THE SECOND CE | O BE REMOVED AND O PIECES. UPPER LE O BE REMOVED AND SSNA 175 SUBMITTE | 051313210 EFT AND RIGHT BRACKE' D BRACKETS ARE OFTEN BRACKET 051313211 EFT AND RIGHT BRACKE' D BRACKETS ARE OFTEN BRACKET 051313210 ER FOUND WITH CRACKE | ENG MT UPPER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LOWER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LT LOWER ID BRACKETS. VISUAL INSE | 3565 R CRACKS, ON. NEW F | 98ZZZX1461 BUT NOT AS PARTS ARE .010 INC. 3/19/98 98ZZZX1462 BUT NOT AS PARTS ARE .010 INC. 3/18/98 98ZZZX1466 |
| 7120 | LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 7288M 55588 LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 90045 56603 CRACK RADIATIN IDENTIFY CRACK | 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS PRIGINAL. CESSNA 175 REWALL ENGINE MOUI A IS DIFFICULT TO INS PRIGINAL. CESSNA 175A NG FROM ENGINE MOU S, BUT GAINING ACCES | PECT AS ENGINE MO NT BRACKET FOUND PECT AS ENGINE MO NT BOLT HOLE. THE | CRACKED INTO TW UNT BOLTS NEED TO S IS THE SECOND CE | O BE REMOVED AND O PIECES. UPPER LE O BE REMOVED AND SSNA 175 SUBMITTE | 051313210 EFT AND RIGHT BRACKE'D BRACKETS ARE OFTEN BRACKET 051313211 EFT AND RIGHT BRACKE'D BRACKETS ARE OFTEN BRACKETS OFTEN BRACKET 051313210 ER FOUND WITH CRACKET BOLT/NUT AND WAHS | ENG MT UPPER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LOWER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LT LOWER ID BRACKETS. VISUAL INSE | 3565 R CRACKS, ON. NEW F | 98ZZZX1461 BUT NOT AS ARTS ARE .010 INCI 3/19/98 98ZZZX1462 BUT NOT AS ARTS ARE .010 INCI 3/18/98 98ZZZX1466 SATISFACTORY TO |
| 7120 | LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 7288M 55588 LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 90045 56603 CRACK RADIATIN IDENTIFY CRACK 90045 56603 CRACK RADIATIN | 175 REWALL ENGINE MOUT A IS DIFFICULT TO INS PRIGINAL. CESSNA 175 REWALL ENGINE MOUT A IS DIFFICULT TO INS PRIGINAL. CESSNA 175A NG FROM ENGINE MOUT NG FROM | PECT AS ENGINE MO NT BRACKET FOUND PECT AS ENGINE MO NT BOLT HOLE. THE SS TO BRACKET MAY | CRACKED INTO TW UNT BOLTS NEED TO S IS THE SECOND CE TREQUIRE REMOVA | O BE REMOVED AND O PIECES. UPPER LE O BE REMOVED AND SSNA 175 SUBMITTE L OF ENGINE MOUN' | 051313210 EFT AND RIGHT BRACKE'D BRACKETS ARE OFTEN BRACKET 051313211 EFT AND RIGHT BRACKE'D BRACKETS ARE OFTEN BRACKET 051313210 ER FOUND WITH CRACKET BOLT/NUT AND WAHS: BRACKET 051313211 | ENG MT UPPER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LOWER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LT LOWER ID BRACKETS. VISUAL INSEERS. CRACKED ENG MT UPPER ID BRACKETS. VISUAL INSEERS. | 3565 R CRACKS, ON. NEW F 3765 R CRACKS, ON. NEW F | 98ZZZX1461 BUT NOT AS PARTS ARE .010 INCI 3/19/98 98ZZZX1462 BUT NOT AS PARTS ARE .010 INCI 3/18/98 98ZZZX1466 SATISFACTORY TO 3/18/98 98ZZZX1464 |
| 7120 | LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 7288M 55588 LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 90045 56603 CRACK RADIATIN IDENTIFY CRACK 90045 56603 CRACK RADIATIN | 175 REWALL ENGINE MOUT A IS DIFFICULT TO INS PRIGINAL. CESSNA 175 REWALL ENGINE MOUT A IS DIFFICULT TO INS PRIGINAL. CESSNA 175A NG FROM ENGINE MOUT NG FROM | PECT AS ENGINE MO NT BRACKET FOUND PECT AS ENGINE MO NT BOLT HOLE. THE SS TO BRACKET MAY | CRACKED INTO TW UNT BOLTS NEED TO S IS THE SECOND CE TREQUIRE REMOVA | O BE REMOVED AND O PIECES. UPPER LE O BE REMOVED AND SSNA 175 SUBMITTE L OF ENGINE MOUN' | 051313210 EFT AND RIGHT BRACKE'D BRACKETS ARE OFTEN BRACKET 051313211 EFT AND RIGHT BRACKE'D BRACKETS ARE OFTEN BRACKET 051313210 ER FOUND WITH CRACKE'T BOLT/NUT AND WAHS: BRACKET 051313211 ER FOUND WITH CRACKET | ENG MT UPPER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LOWER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LT LOWER ID BRACKETS. VISUAL INSEERS. CRACKED ENG MT UPPER ID BRACKETS. VISUAL INSEERS. | 3565 R CRACKS, ON. NEW F 3765 R CRACKS, ON. NEW F | 98ZZZX1461 BUT NOT AS PARTS ARE .010 INCI 3/19/98 98ZZZX1462 BUT NOT AS PARTS ARE .010 INCI 3/18/98 98ZZZX1466 SATISFACTORY TO 3/18/98 98ZZZX1464 |
| 7120 | LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 7288M 55588 LOWER RIGHT FII EXTENSIVE. ARE THICKER THAN O 90045 56603 CRACK RADIATIN IDENTIFY CRACK 90045 56603 CRACK RADIATIN IDENTIFY CRACK | 175 REWALL ENGINE MOUTE A IS DIFFICULT TO INSURIGINAL. CESSNA 175 REWALL ENGINE MOUTE A IS DIFFICULT TO INSURIGINAL. CESSNA 175A NG FROM ENGINE MOUTES, BUT GAINING ACCESTA | PECT AS ENGINE MO NT BRACKET FOUND PECT AS ENGINE MO NT BOLT HOLE. THE SS TO BRACKET MAY | CRACKED INTO TW UNT BOLTS NEED TO S IS THE SECOND CE TREQUIRE REMOVA | O BE REMOVED AND O PIECES. UPPER LE O BE REMOVED AND SSNA 175 SUBMITTE L OF ENGINE MOUN' | 051313210 EFT AND RIGHT BRACKE' D BRACKETS ARE OFTEN BRACKET 051313211 EFT AND RIGHT BRACKE' D BRACKETS ARE OFTEN BRACKET 051313210 ER FOUND WITH CRACKE T BOLT/NUT AND WAHS BRACKET 051313211 ER FOUND WITH CRACKE T BOLT/NUT AND WASH | ENG MT UPPER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LOWER IS FOUND TO HAVE SIMILA COVERED UP BY INSULATI CRACKED ENG MT LT LOWER ID BRACKETS. VISUAL INSEERS. CRACKED ENG MT UPPER ID BRACKETS. VISUAL INSEERS. | 3565 R CRACKS, ON. NEW F 3765 R CRACKS, ON. NEW F | 98ZZZX1461 BUT NOT AS PARTS ARE .010 INC 3/19/98 98ZZZX1462 BUT NOT AS PARTS ARE .010 INC 3/18/98 98ZZZX1466 SATISFACTORY TO 3/18/98 98ZZZX1464 SATISFACTORY TO |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|--|--|--|--|---|--|---|-------------------------|--|
| 3221 | 9345C | CESSNA | | | | BOLT | CORRODED | | 3/18/98 |
| | 31743 | 180 | | | | AN526A | TAIL WHEEL | | 98ZZZX1463 |
| **** | | | | | | OR INSPECTION. BOTH B TAIL WHEEL AIRCRAFT. | OLTS WERE FOUND CORRO | DED APPRO | OXIMATELY 50 |
| 2701 | 3374U | CESSNA | | | | YOKE | FAILED | | 4/1/98 |
| | 18254774 | 182F | | | | | COCKPIT | | 98ZZZX1467 |
| | | FAILURE ON LANDING CONTROL YOKE TT 2,80 | | ROKE, FAILED IN UPF | PER LEFT SIDE. AIR | CRAFT MANUFACTURED | IN 1963. SUSPECT CAUSE EX | KTREME AC | GE OF PLASTIC PART. |
| 2820 | 757ME | CESSNA | | | STRATOFLEX | HOSE | FAILED | 354 | 4/3/98 |
| | R18201247 | R182 | | | | 1580016D0112 | FUEL | | 98ZZZX1449 |
| | FUEL HOSE FAILE | ED AFTER 2 YEARS AN | 254 HOURS OF OPE | RATION. THE TAG O | N THE HOSE HAS A | DATE OF MANUFACTURE | Ε, 6-4-96. | | |
| 5730 | 67JK | CESSNA | | | | SKIN | CRACKED | | 4/3/98 |
| KQ3R | P21000684 | P210N | | | | 12212222 | RT WING TOP INBD | | 98ZZZX1470 |
| 5730 | INSPECTION, OR I | DISCONTINUE USING S | | | | | G THIS AREA AT EVERY PRE | E-FLIGHT, 5 | |
| 5730 | 67JK | CESSNA | | | | SKIN | CRACKED | | 4/3/98 |
| KQ3R | P21000684 | P210N | | | | 12212212 | LT WING TOP INBD | | 98ZZZX1469 |
| | BRAKES INSTALL BRAKES. VIBRAT INSPECTION, OR I | ED UNDER STC 2602NI TION OF THE SPEED BR DISCONTINUE USING S | M ON 8-10-90 BETWEI AKES WHEN EXTENI | EN WS 124.00 AND W DED COULD BE THE (| S 138.00. TOTAL TIN CAUSE. SUBMITTER | ME SINCE INSTALLATION R SUGGESTED INSPECTIN | WS 124.00 AND ON WS 110.0 , 449.5 HOURS. ESTIMATE 20 G THIS AREA AT EVERY PRE | 0.0 HOURS | USING SPEED 0, 100, AND ANNUAL |
| 3230 | 2616D | CESSNA | | | | BOLT | FAILED | | 4/1/98 |
| BR0A | 402C0115 | 402C | | | | AN17520 | LT MLG TORQ LINK | | 98ZZZX1486 |
| **** | LITTLE OR NO AP LEFT HAND TOR(| PLIED BRAKING ACTION OF THE MA | ON, IT STARTED TO V IN GEAR HAD SEPAR | WOBBLE AND VEERE CATED CAUSING THE | ED TO THE LEFT CO E ACFT TO VEER TO | MING TO A STOP OFF OF $^{\circ}$ THE LEFT. THE BOLT FO | ND THEN ON THE LEFT. AS A FHE LEFT HAND SIDE OF TH R THE TORQUE LINKS WAS E COTTER PIN WERE STILL II | E RUNWAY STILL IN TI | 7. APPARENTLY, THE HE LOWER LINK, AND |
| 5551 | 8BL | CESSNA | | | | ATTACH BOLT | MISSING | | 3/1/98 |
| | 4140098 | 414 | | | | NAS13064 | RT FWD H STAB | | 98ZZZX1472 |
| | BOLT, P/N NAS130 | | IE RT FORWARD ATT | | | | VEMENT WAS NOTED. DUIR AR, BOLT WAS FOUND. FOR | | |
| 7603 | 911ER | CESSNA | | | | CABLE | BROKEN | 7806 | 3/25/98 |
| | 4410249 | 441 | | | | 99103213 | LT ENG PWR CONT | | 98ZZZX1485 |
| | LEFT ENGINE POV | WER CONTROL CABLE | BROKE ABOUT 3.25 I | INCHES INSIDE HOUS | SING AT COCKPIT C | ONSOLE. | | | |
| 2810 | 32TP | CHILD | | | | FUEL SYSTEM | CONTAMINATED | | 2/17/98 |
| | 2179 | S2APITTS | | | | 26502013 | FUEL FLOP TUBE | | 98ZZZX1482 |
| | ACCIDENT INVES | TIGATION, IT WAS NO | TED THE FUEL FILTE | R HAD NUMEROUS I | METAL PARTICLES. | | USE THE BENDIX FAILED TO PLACING A TEFLON RING A FILTER. | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|---|---------------------|-----------------------|---------------------------------------|---|--|--------------|----------------------------|
| 8011 | 32TP | CHILD | | | PRESTOLITE | BENDIX DRIVE | FAILED | | 2/17/98 |
| | 2179 | S2APITTS | | | MZ4218 | 480388 | STARTER | | 98ZZZX1481 |
| | WHILE MANEUV | ERING IN A FLAT SPIN, | THE PILOT EXPERIE | NCED AN ENGINE OU | JT. AN ATTEMPT TO | O RESTART COULD NOT B | E MADE BECAUSE THE BE | NDIX FAILE | D TO RE-ENGAGE. |
| 6120 | 558ND | DIAMON | | | | CABLE | FAILED | 492 | 3/23/98 |
| OG5R | 10129 | DA20A1 | | | | 2076000112 | PROP CONTROL | | 98ZZZX1459 |
| | | | | | | | E CABLE CONNECTS TO G LE INSTEAD OF SINGLE CO | | |
| 7714 | 520SS | DIAMON | | | | CABLE | FAILED | 584 | 3/23/98 |
| OG5R | 10075 | DA20A1 | | | | 207100051C | TACHOMETER | | 98ZZZX1458 |
| | | ED TIGHT TO CABLE OU | | | | | ID HAD PULLED OFF THE C SAME AMOUNT. SUGGES | | |
| 2731 | 790RA | EMB | | | | BRACKET | CRACKED | 11464 | 1/31/98 |
| BQTA | 11027B | EMB110P1 | | | | 110321004 | TRIM ACTUATOR | | 98ZZZM444 |
| | ELEVATOR TRIM | TAB ACTUATOR SUPP | ORT, PART NR 110-32 | 10-04, FOUND CRACK | KED DURING INSPEC | CTION PER AD 91-25-09. B | RACKET WAS REPLACED. | (M) | |
| 5510 | 101TN | EMB | | | | BRACKET | CRACKED | 15771 | 1/12/98 |
| BQTA | 110271 | EMB110P1 | | | | 11014110731 | HORIZ STAB | | 98ZZZM443 |
| | | ION 33, LEFT FORWARD Y .125 INCH THROUGH : | | | · · · · · · · · · · · · · · · · · · · | KED DURING DYE PENETI | RANT INSPECTION PER AD | 83-14-09. CF | RACK EXTENDED |
| 5712 | 75139 | PIPER | | | | RIB | CRACKED | 6588 | 3/17/98 |
| | 28R7635269 | PA28R200 | | | | 7847505 | RT WS 49.25 | | 98ZZZX1451 |
| | RIGHT WING STA | 49.25 RIB CRACKED. (| CRACK NOT VISIBLE | UNTIL BRACE STUD | ATTACH REMOVED |). | | | |
| 5712 | 75139 | PIPER | | | | RIB | CRACKED | 6588 | 3/17/98 |
| | 28R7635269 | PA28R200 | | | | 7847504 | WS 49.25 LT WING | | 98ZZZX1450 |
| | WING STA 49.25 F | RIB CRACKED. CRACK | NOT VISIBLE UNTIL | BRACE STUD ATTAC | CH WAS REMOVED. | | | | |
| 7120 | 6367C | PIPER | | | | MOUNT | MAGNETIZED | | 4/2/98 |
| | 28R7837162 | PA28R201 | | | | 6711957 | ENGINE | | 98ZZZX1483 |
| **** | ON THE UPPER R | | EWALL ATTACH POI | NTS. SUBMITTER SU | SPECTS THIS OCCU | | EADING. FOUND THE ENC WAS REPAIRED WITH AN | | |
| 5280 | 45004 | PIPER | | | | HINGE | FAILED | | 3/1/98 |
| JIKA | 318052163 | PA31350 | | | 4752930 | 4752932 | LT INB GR DOOR | | 98ZZZX1453 |
| | | | | | | HIS IS THE 8TH FOUND IN CKING, AND POSSIBLE GE | RECENT HISTORY. THIS H EAR FOULING. | NGE IS THE | 'NEW STYLE' |
| 3260 | 3020M | PIPER | | | | ACTUATOR ARM | FAILED | 4064 | 3/1/98 |
| | 447995220 | PA44180 | | | 8640902 | 451823 | NLG DOWNLOCK | | 98ZZZX1447 |
| | | OCK INDICATION ON N GESTED REPLACING A | | | | ARM BROKEN, NOT MAKII | NG SWITCH CONTACT. SU | SPECT CAUS | SE METAL FATIGUE. |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 2430 | 3116L | BELL | | | | RELAY | FAILED | 6 | 3/30/98 |
| HEEA | 51529 | 206L3 | | | | SM20ACD200A21 | DC SYS | | HEEA0013666 |
| | COIL AND CONTA | CTOR ARE BURNT. CO | OIL IS BURNT. | | | | | | |
| 2436 | 11027 | BELL | | | | VOLT REGULATOR | FAILED | | 3/26/98 |
| HEEA | 45411 | 206L1 | | | | 206075447007 | DC SYS | | HEEA0013581 |
| | CAUSES STARTER | TO RUN AFTER SHUTI | DOWN. | | | | | | |
| 2810 | | BELL | | | | CELL | LEAK | | 4/2/98 |
| HEEA | | 206L1 | | | | 206064611001 | FUEL SYS | | HEEA0013688 |
| | FUEL CELL POROU | JS FABRIC. NEEDS INS | IDE COATING DUE T | O POSSIBLE PIN HO | LE LEAK. | | | | |
| 2810 | 10761 | BELL | | | | CELL | LEAKING | | 4/2/98 |
| HEEA | 45381 | 206L1 | | | | 206064611001 | FUEL SYS | | HEEA0013687 |
| | FUEL CELL BLISTE | ERS AND LEAKAGE AS | MARKED AND POSS | IBLE FUEL SEEPAGE | THROUGH FABRIC. | | | | |
| 2820 | 2761N | BELL | | | | CARTRIDGE | FAILED | | 4/2/98 |
| HEEA | 45277 | 206L1 | | | | 2C271 | FUEL SYS | | HEEA0013738 |
| | CARTRIDGE INTE | RMITTENT OPERATION | Ν. | | | | | | |
| 2822 | 5017G | BELL | | | | BOOST PUMP | FAILED | | 4/2/98 |
| HEEA | 45228 | 206L1 | | | | 164A199 | FUEL SYS | | HEEA0013769 |
| | RH BOOST PUMP (| QUITS AFTER 10 MINUT | TES OF OPERATION. | | | | | | |
| 2822 | 10778 | BELL | | | | BOOST PUMP | FAILED | | 4/2/98 |
| HEEA | 45391 | 206L1 | | | | 164A199 | FUEL SYS | | HEEA0013770 |
| | FUEL BOOST PUM | P RPM MOTOR WILL N | OT RUN. | | | | | | |
| 3340 | 108PH | BELL | | | | POWER SUPPLY | FAILED | | 4/2/98 |
| HEEA | 51334 | 206L3 | | | | A490ATSDF1428 | STROBE | | HEEA0013786 |
| | STROBE POWER S | UPPLY INOPERATIVE. | | | | | | | |
| 3340 | 363BH | BELL | | | | POWER SUPPLY | FAILED | | 4/2/98 |
| HEEA | 51345 | 206L3 | | | | A490A | STROBE | | HEEA0013771 |
| | STROBE LIGHT IN | OPERATIVE. | | | | | | | |
| 3340 | 363BH | BELL | | | | POWER SUPPLY | FAILED | | 4/2/98 |
| HEEA | 51345 | 206L3 | | | | A490A | STROBE | | HEEA0013809 |
| | POWER SUPPLY IN | OPERATIVE AND HAS | NO OUTPUT. | | | | | | |
| 3340 | 3116P | BELL | | | | POWER SUPPLY | FAILED | | 4/2/98 |
| HEEA | 51530 | 206L3 | | | | A490ATSDF1428 | STROBE | | HEEA0013788 |
| | STROBE POWER S | UPPLY INOPERATIVE. | | | | | | | |
| 3340 | 3207Q | BELL | | | | POWER SUPPLY | FAILED | | 4/2/98 |
| HEEA | 51540 | 206L3 | | | | A490A | STROBE | | HEEA0013808 |
| | POWER SUPPLY IN | OPERATIVE AND HAS | NO OUTPUT. | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|--|---------------------|-----------------------|----------------------|--------------------------|------------------------|--------------|----------------------------|
| 3340 | 3207Q | BELL | | | | POWER SUPPLY | FAILED | | 4/2/98 |
| HEEA | 51540 | 206L3 | | | | A490A | STROBE | | HEEA0013739 |
| | POWER SUPPLY H | IAS NO OUTPUT. | | | | | | | |
| 3416 | 406EH | BELL | | | | ALTIMETER | LEAKS | | 4/2/98 |
| HEEA | 45183 | 206L1 | | | | 59341 | COCKPIT | | HEEA0013685 |
| | ALTIMETER LEAF | KED DURING 12 MONTE | HINSPECTION. | | | | | | |
| 3416 | 3892R | BELL | | | | ALTIMETER | LEAKING | | 4/2/98 |
| HEEA | 45594 | 206L1 | | | | 59341 | COCKPIT | | HEEA0013773 |
| | ALTIMETER LEAF | KING AT KNOB. | | | | | | | |
| 3421 | 8591X | BELL | | | | GYRO | FAILED | | 4/2/98 |
| HEEA | 51495 | 206L3 | | | | 206075607103 | COCKPIT | | HEEA0013709 |
| | ATTITUDE GYRO | SPINS AND WILL NOT | CAGE. | | | | | | |
| 3422 | 2777D | BELL | | | | GYRO | FAILED | | 4/2/98 |
| HEEA | 45299 | 206L1 | | | | RCA15BK1 | COCKPIT | | HEEA0013761 |
| | DIR GYRO CAGIN | G SHAFT STICKS. PREG | CESSES AND GLASS I | FOGS. | | | | | |
| 3424 | 108PH | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 51334 | 206L3 | | | | 206070274005 | COCKPIT | | HEEA0013764 |
| | INDICATOR STAY | 'S 1/2 BALL OFF. | | | | | | | |
| 3453 | 41791 | BELL | | | | ANTENNA | FAILED | | 4/2/98 |
| HEEA | 51465 | 206L3 | | | KA83 | 071143100 | LORAN | | HEEA0013835 |
| | LORAN UNIT NOT | RECEIVING SIGNAL. | | | | | | | |
| 3457 | 9907K | BELL | | | GARMIN INTL | GPS | FAILED | | 3/30/98 |
| LS1R | 2040 | 206B3 | | | GPS150 | 0110005400 | COCKPIT | | 98ZZZX1492 |
| | GPS WAS RETURN | NED FROM OVERHAUL. | BATTERY LOW LIG | HT STAYED ON. UN | IT WOULD NOT PICE | K UP SATELLITES. | | | |
| 5260 | | BELL | | | | STEP | CORRODED | | 4/2/98 |
| HEEA | | 206L3 | | | | 206331102 | RT STEP | | HEEA0013832 |
| | STEP HAS EXCESS | SIVE CORROSION AT M | OUNT POINTS. | | | | | | |
| 5522 | 1078D | BELL | | | | ELEVATOR | CORRODED | | 4/2/98 |
| HEEA | 45397 | 206L1 | | | | 206023119157 | LT ELEV | | HEEA0013758 |
| | LT ELEV ASSY CO | ORRODED THROUGH SE | IIN. | | | | | | |
| 5522 | 1078D | BELL | | | | SKIN | CORRODED | | 4/2/98 |
| HEEA | 45397 | 206L1 | | | | 206023119159S | ELEV | | HEEA0013759 |
| | ELEV CORRODED | THROUGH SKIN. | | | | | | | |
| 6210 | 54AG | BELL | | | | WASHER | BROKEN | | 3/31/98 |
| LS1R | 7120721 | OH58A | | | | 206010154003 | BLADE RETAIN | | 98ZZZX1493 |
| | | GHT INSPECTION, PILO OKEN. WASHER WAS I | | | | TENTION BOLT WAS CRAC | CKED. UPON REMOVAL O | F NUT, IT WA | AS FOUND |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 6240 | 1078G | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 45398 | 206L1 | | | | 206070265101 | COCKPIT | | HEEA0013762 |
| | INDICATOR ROTO | R NEEDLE INOPERATI | IVE. | | | | | | |
| 6240 | 205FC | BELL | | | | TACH GENERATOR | FAILED | | 4/2/98 |
| HEEA | 51130 | 206L3 | | | | 206076373001 | ROTOR | | HEEA0013779 |
| | TACH GENERATO | R FAILED. NO ROTOR | INDICATION. | | | | | | |
| 6240 | 108PH | BELL | | | | INDICATOR | FLUCTUATES | | 4/2/98 |
| HEEA | 51334 | 206L3 | | | | 206075681105 | DUAL TACH | | HEEA0013805 |
| | DUAL TACH N2 NI | EEDLE FLUCTUATES. | | | | | | | |
| 6320 | 5000K | BELL | | | | PUMP | FAILED | | 4/2/98 |
| HEEA | 45167 | 206L1 | | | | 206040190005 | M/R GR BOX | | HEEA0013797 |
| | SHAFT BUSHING V | WORN. | | | | | | | |
| 6320 | 1078D | BELL | | | | PUMP | WORN | | 4/2/98 |
| HEEA | 45397 | 206L1 | | | | 206040190005 | GEAR BOX OIL | | HEEA0013798 |
| | SHAFT BUSHING V | WORN. | | | | | | | |
| 6320 | 4282Z | BELL | | | | PUMP | LEAKING | | 4/2/98 |
| HEEA | 51499 | 206L3 | | | | 206040190005 | GEAR BOX | | HEEA0013813 |
| | SEAL LEAKING-SE | HAFT WORN. | | | | | | | |
| 6710 | 2275Y | BELL | | | | ACTUATOR | FAILED | | 4/2/98 |
| HEEA | 3626 | 206B3 | | | | 206062721113 | DROOP COMP | | HEEA0013716 |
| | ACTUATOR DOES | NOT MOVE WHEN POV | WER IS APPLIED. | | | | | | |
| 6710 | 5014V | BELL | | | | ACTUATOR | FAILED | | 4/2/98 |
| HEEA | 45217 | 206L1 | | | | 206062721109 | M/R | | HEEA0013791 |
| | ACTUATOR INOPE | ERATIVE. | | | | | | | |
| 6710 | 2758N | BELL | | | | ACTUATOR | FAILED | | 4/2/98 |
| HEEA | 45267 | 206L1 | | | | 206062721109 | M/R | | HEEA0013778 |
| | ACTUATOR INOPE | ERATIVE. | | | | | | | |
| 6710 | | BELL | | | | SLIDE AND SLEEVE | LEAKING | | 4/2/98 |
| HEEA | | 206L3 | | | | C4264215 | M/R CONTROL | | HEEA0013697 |
| | LEAKING INTERN | ALLY FROM INNER SP | OOLS. | | | | | | |
| 6710 | 8592X | BELL | | | | ACTUATOR | FAILED | | 4/2/98 |
| HEEA | 51508 | 206L3 | | | | 206062721109 | M/R | | HEEA0013717 |
| | ACTUATOR INOPE | ERATIVE. | | | | | | | |
| 6710 | 21497 | BELL | | | | ACTUATOR | FAILED | | 4/2/98 |
| HEEA | 51518 | 206L3 | | | | 206062721109 | M/R | | HEEA0013812 |
| | ACTUATOR INOPE | | | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 6710 | 7077F | BELL | | | | ACTUATOR | FAILED | | 4/2/98 |
| HEEA | 52038 | 206L4 | | | | 206062721109 | M/R | | HEEA0013715 |
| | INOPERATIVE. | | | | | | | | |
| 6730 | 6610C | BELL | | | | CYLINDER | LEAKING | 16623 | 4/2/98 |
| HEEA | 51425 | 206L3 | | | | 206076062003 | M/R SERVO | | HEEA0013695 |
| | M/R SERVO LEAK | ING. | | | | | | | |
| 6730 | 6610C | BELL | | | | CYLINDER | LEAKING | 14929 | 4/2/98 |
| HEEA | 51425 | 206L3 | | | | 206076062003 | M/R SERVO | | HEEA0013693 |
| | M/R SERVO LEAK | ING. | | | | | | | |
| 6730 | 6610C | BELL | | | | CYLINDER | LEAKING | 18137 | 4/2/98 |
| HEEA | 51425 | 206L3 | | | | 206076062003 | M/R SERVO | | HEEA0013694 |
| | M/R SERVO LEAK | ING. | | | | | | | |
| 7314 | 8591X | BELL | | | | FUEL PUMP | WORN | | 4/2/98 |
| HEEA | 51495 | 206L3 | | | | 3881005 | FUEL SYS | | HEEA0013833 |
| | WORN DRIVE SHA | AFT SPLINES AND GEA | R SPLINES. | | | | | | |
| 7332 | 2250U | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 45754 | 206L1 | | | | 206075676003 | DUAL FUEL | | HEEA0013765 |
| | FUEL PRESSURE I | INDICATOR READS LOV | V. | | | | | | |
| 7714 | 2272J | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 3620 | 206B3 | | | | 206070266009 | COCKPIT | | HEEA0013755 |
| | INDICATOR INTE | RMITTENTLY STICKS A | AT ZERO. | | | | | | |
| 7714 | 50046 | BELL | | | | TACH GEN | WORN | | 4/2/98 |
| HEEA | 45173 | 206L1 | | | | 206076373001 | SPLINE AREA | | HEEA0013729 |
| | WORN SPLINE AN | ND CRACKS IN MOUNT | PLATE AT BOLT HOL | ES. | | | | | |
| 7714 | 5005F | BELL | | | | GAS PROD GAGE | ERRATIC | | 4/3/98 |
| HEEA | 45176 | 206L1 | | | | 206075682001 | COCKPIT | | HEEA0013845 |
| | GAS PROD GAGE | ERRATIC ON STARTUP | | | | | | | |
| 7714 | 5007Y | BELL | | | | TACH GEN | WORN | | 4/2/98 |
| HEEA | 45192 | 206L1 | | | | 206076373001 | SPLINE AREA | | HEEA0013730 |
| | TACH GEN WORN | SPLINE. | | | | | | | |
| 7714 | 1077A | BELL | | | | TACH GEN | WORN | | 4/2/98 |
| HEEA | 45382 | 206L1 | | | | 206076373001 | SPLINE AREA | | HEEA0013728 |
| | TACH GEN HAS W | VORN SPLINE AND CRA | CKS IN MOUNT PLAT | E AT BOLT HOLES. | | | | | |
| 7714 | 1078G | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 45398 | 206L1 | | | | 206070265011 | DUAL TACH | | HEEA0013767 |
| | TURBINE NEEDLE | E HAS STICKY OPERAT | ION. | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|---|---------------------|-----------------------|----------------------|--------------------------|-------------------------|--------------|----------------------------|
| 7714 | 108PH | BELL | | | | TACH GEN | FAILED | | 4/2/98 |
| HEEA | 51334 | 206L3 | | | | 206062627003 | COCKPIT | | HEEA0013754 |
| | TACH GENERATO | R FLUCTUATES 4% TO | 10%. | | | | | | |
| 7714 | 6251Y | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 51556 | 206L3 | | | | 206075682107 | ENGINE | | HEEA0013768 |
| | GAS PRODUCER II | NDICATOR NEEDLE ST | ICKS AND DOES NOT | INDICATE 10%. | | | | | |
| 7722 | 5007N | BELL | | | | INDICATOR | STICKS | | 4/3/98 |
| HEEA | 45184 | 206L1 | | | | 206375007103 | TOT | | HEEA0013843 |
| | TOT NEEDLE STIC | CKS AT 500 WHEN HEA | TED. | | | | | | |
| 7921 | 5014V | BELL | | | | OIL COOLER | LEAKING | | 4/2/98 |
| HEEA | 45217 | 206L1 | | | | 8543909 | ENGINE | | HEEA0013818 |
| | OIL COOLER LEAF | KING. | | | | | | | |
| 7931 | 54641 | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 51184 | 206L3 | | | | 206075677103 | ENG OIL | | HEEA0013766 |
| | PSI HIGH ON UPPE | ER SCALE. | | | | | | | |
| 3120 | 102PH | BELL | | | | DIGITAL CLOCK | DEFECTIVE | | 4/3/98 |
| HEEA | 30899 | 212 | | | | 811B | COCKPIT | | HEEA0013841 |
| | COATING ON FAC | E IS MISSING AND BAT | TTERY IS DEAD. | | | | | | |
| 3340 | 1079U | BELL | | | | BEACON | WEAK | 947 | 4/2/98 |
| HEEA | 31122 | 212 | | | | DK100 | STROBE | | HEEA0013700 |
| | BEACON IS WEAK | | | | | | | | |
| 5320 | 27805 | BELL | | | | BOLT ASSY | FAILED | 1692 | 3/26/98 |
| HEEA | 31106 | 212 | | | | 212030155001 | LIFT LINK | | HEEA0013527 |
| | | NSPECTION FOUND HE OF THE BOLT REMAINE | | | | | RTMENT. BOLT FAILED 1 A | AND 5/8" FRC | OM THE END. THE |
| 6220 | 3131S | BELL | | | | CAP ASSY | CRACKED | <u> </u> | 4/2/98 |
| HEEA | 30953 | 212 | | | | 212030437007 | M/R | | HEEA0013790 |
| | RUBBER CUSHION | WORN AND CRACKE | D. | | | | | | |
| 7712 | 102PH | BELL | | | | INDICATOR | FAILED | | 4/3/98 |
| HEEA | 30899 | 212 | | | | 212070160007 | TORQUEMETER | | HEEA0013847 |
| | NR 2 NEEDLE WIL | L NOT INDICATE. | | | | | | | |
| 7712 | 1079U | BELL | | | | INDICATOR | STUCK | | 4/2/98 |
| HEEA | 31122 | 212 | | | | 212070160007 | TORQUEMETER | | HEEA0013681 |
| | INDICATOR NEED | LE STUCK AT ZERO. | | | | | | | |
| 7722 | 5736J | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 31140 | 212 | | | | 212075067105 | COCKPIT | | HEEA0013690 |
| | ITT INDICATOR D | OES NOT WORK. | | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 2210 | 59806 | BELL | | | | AMPLIFIER | MALFUNCTION | | 4/2/98 |
| HEEA | 28140 | 214ST | | | | 214074301105 | SCAS | | HEEA0013810 |
| | PITCH CHANNEL I | KICKS OFF WITH CONT | ROL INPUT. | | | | | | |
| 2210 | 59805 | BELL | | | | AMPLIFIER | FAILED | | 4/2/98 |
| HEEA | 28141 | 214ST | | | | 214074305105 | AUTO FLIGHT | | HEEA0013780 |
| | AMPLIFIER FAILE | D MONITOR TEST. | | | | | | | |
| 2210 | 59805 | BELL | | | | AMPLIFIER | FAILED | | 4/2/98 |
| HEEA | 28141 | 214ST | | | | 214074305105 | AUTOFLIGHT | | HEEA0013783 |
| | AMPLIFIER FAILE | D MONITOR TEST. | | | | | | | |
| 2400 | 8045T | BELL | | | | RELAY | FAILED | | 3/26/98 |
| HEEA | 28101 | 214ST | | | | 214175132103 | DC SYS | | HEEA0013546 |
| | CONTACT BALL N | IR2 TO 24V OPEN IN RE | ST POSITION. | | | | | | |
| 2400 | 8045T | BELL | | | | CIRCUIT BREAKER | FAILED | | 4/2/98 |
| HEEA | 28101 | 214ST | | | | M833830207 | DC SYS | | HEEA0013718 |
| | CIRCUIT BREAKE | R INOPERATIVE. | | | | | | | |
| 2400 | 8045T | BELL | | | | CIRCUIT BREAKER | FAILED | | 4/2/98 |
| HEEA | 28101 | 214ST | | | | M833830207 | DC SYS | | HEEA0013784 |
| | CHARGES MOTIO | N OUTPUT NOT CHARC | GING BATTERY. | | | | | | |
| 2400 | 59806 | BELL | | | | RELAY | FAILED | | 4/2/98 |
| HEEA | 28140 | 214ST | | | | 214175171103 | DC SYS | | HEEA0013698 |
| | DRAW DOWN DUI | RING BATTERY START | | | | | | | |
| 2430 | 59806 | BELL | | | | RELAY | FAILED | | 4/2/98 |
| HEEA | 28140 | 214ST | | | | 214175133103 | DC SYS | | HEEA0013814 |
| | INOPERATIVE. | | | | | | | | |
| 2435 | 6957Y | BELL | | | | GENERATOR | FAILED | 2232 | 4/2/98 |
| HEEA | 28139 | 214ST | | | | 214175150105 | DC SYS | | HEEA0013811 |
| | GENERATOR TRIP | S BREAKER. | | | | | | | |
| 2842 | 59805 | BELL | | | | PROBE | FAILED | | 4/2/98 |
| HEEA | 28141 | 214ST | | | | 214066212105 | FUEL SYS | | HEEA0013794 |
| | PROBE WILL NOT | TEST. | | | | | | | |
| 2931 | | BELL | | | | INDICATOR | ERRATIC | | 4/2/98 |
| HEEA | | 214ST | | | | 214175252101 | HYD SYS | | HEEA0013781 |
| | HYD PRESS INDIC | ATOR ERRATIC READI | NGS. | | | | | | |
| 3040 | 8045T | BELL | | | | CONTROL UNIT | FAILED | | 4/2/98 |
| HEEA | 28101 | 214ST | | | | 214075186001 | WINDSHIELD | | HEEA0013795 |
| | WINDSHIELD HEA | T INOPERATIVE; DOES | S NOT COME ON. | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|---|---------------------|-----------------------|----------------------|---|---|-----------|----------------------------|
| 3420 | 59805 | BELL | | | | AFCS | INTERMITTENT | | 4/2/98 |
| HEEA | 28141 | 214ST | | | | 214074300107 | ANNUN PANEL | | HEEA0013782 |
| | AFCS ENGAGE IN | TERMITTENT. | | | | | | | |
| 3454 | 59805 | BELL | | | | NAV UNIT | FAILED | | 4/2/98 |
| HEEA | 28141 | 214ST | | | KDA692 | 071121701 | COCKPIT | | HEEA0013753 |
| | NAV UNIT DOES N | NOT DRIVE POINTER. | | | | | | | |
| 6310 | 6957Y | BELL | | | | SEAL | LEAKING | | 4/3/98 |
| HEEA | 28139 | 214ST | | | 214040019101 | 214040840101 | XMSN | | HEEA0013848 |
| | SEAL LEAKING. | | | | | | | | |
| 6330 | 6957Y | BELL | | | | PLATE ASSY | CRACKED | | 4/2/98 |
| HEEA | 28139 | 214ST | | | | 214031614128 | M/R XMSN | | HEEA0013714 |
| | PLATE ASSY CRA | CKED RUBBER CAUSIN | IG M/R VIBRATION. | | | | | | |
| 6330 | 6957Y | BELL | | | | PLATE ASSY | CRACKED | | 4/2/98 |
| HEEA | 28139 | 214ST | | | | 214031614127 | M/R XMSN | | HEEA0013713 |
| | PLATE ASSY HAS | CRACKED RUBBER CA | USING M/R VIBRATION | ON. | | | | | |
| 5710 | 8045T | BELL | | | | ACTUATOR ASSY | FAILED | | 4/2/98 |
| HEEA | 28101 | 214ST | | | | 214001970111 | M/R | | HEEA0013699 |
| | ACTUATOR INOPI | ERATIVE. | | | | | | | |
| 7714 | 59805 | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 28141 | 214ST | | | | 214175251103 | TRIPLE TACH | | HEEA0013777 |
| | TRIPLE TACH IND | DICATOR INTERMITTEN | NT. | | | | | | |
| 7933 | 3897N | BELL | | | | INDICATOR | FAILED | | 3/19/98 |
| HEEA | 28106 | 214ST | | | | 214175253103 | OIL TEMP | | HEEA0013476 |
| | INDICATOR READ | OS LOW ON TEMP SIDE. | | | | | | | |
| 5220 | 4UV | BELL | | | | LIFT LINK | WORN | | 1/27/98 |
| RMXA | 23019 | 230 | | | | 222031613101 | M/R | | 98ZZZX1504 |
| | LIFT LINK BEARI | NG WORN OUT OF LIMI | TS. REMOVED AND | REPLACED. | | | | | |
| 2435 | 403PH | BELL | | | | STARTER | FAILED | 555 | 4/2/98 |
| HEEA | 53177 | 407 | | | | 23081018 | START/GEN | | HEEA0013757 |
| | | SLOWLY AND CHATTE OR WAS SEVERELY PI | | Y ACCESSORY OVER | RHAUL SHOP DUE TO | O ALL FOUR BOTTOM BRU | JSH LEADS SEPARATING FR | OM BRUSH | IES, BRUSHES BURN |
| 5310 | 427PH | BELL | | | | CARBON SEAL | LEAKING | | 4/1/98 |
| HEEA | 53059 | 407 | | | 406040500123 | 406340102101 | FREEWHEEL | | HEEA0013676 |
| | CARBON SEAL LE | AKING. | | | | | | | |
| 6420 | 427PH | BELL | | | | BEARING | LOOSE | 196 | 4/1/98 |
| HEEA | 53059 | 407 | | | 407012101105 | 407312100101 | YOKE | | HEEA0013677 |
| | | | | | | ECT TRUNNION BEARING EPAIRED AND INSPECTED | LOOSE IN YOKE, CAUSING 1 BY OVERHAUL SHOP. | NOISE WHE | EN BLADES ARE |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 6500 | 407MM | BELL | | | | BEARING | ROUGH | | 4/1/98 |
| HEEA | 53060 | 407 | | | 406040320101 | 406040339111 | T/R | | HEEA0013675 |
| | ROUGH BEARINGS | S. SERIAL NUMBERS I | REMOVED ARE C97-1 | 825 AND C97-1883. | | | | | |
| 2210 | | BELL | | | | COMPUTER | FAILED | | 4/2/98 |
| HEEA | | 412 | | | | 4025008918 | AFCS | | HEEA0013800 |
| | COMPUTER AFCS | WILL NOT TEST PROP | ERLY. | | | | | | |
| 2210 | 5759N | BELL | | | | TARSYN | FAILED | | 4/2/98 |
| HEEA | 33002 | 412 | | | | 2593996333 | AUTO FLIGHT | | HEEA0013825 |
| | HEADING PRECES | SES AND FAILS TEST | 8.5 ON SST. | | | | | | |
| 2210 | 7128R | BELL | | | | TARSYN | FAILED | | 4/2/98 |
| HEEA | 36007 | 412 | | | | 2593996333 | AUTO FLIGHT | | HEEA0013774 |
| | TARSYN WILL NO | T SLAVE TO CONVER | Γ HEADINGS. | | | | | | |
| 2422 | 293CA | BELL | | | | INVERTER | MALFUNCTION | | 4/2/98 |
| HEEA | | 412 | | | | 412075101101 | AC SYS | | HEEA0013806 |
| | 450VA INVERTER | CAUSES FUEL GAUGE | TO FLUCTUATE. | | | | | | |
| 2422 | 5759N | BELL | | | | INVERTER | MALFUNCTION | | 4/2/98 |
| HEEA | 33002 | 412 | | | | 412075101101 | AC SYS | | HEEA0013763 |
| | 450VA ALTERNAT | ER CAUSES CYCLIC T | O BECOME ERRATIC. | | | | | | |
| 2422 | 142PH | BELL | | | | INVERTER | NOISY | | 4/2/98 |
| HEEA | 33150 | 412 | | | | 412075101101 | AC SYS | | HEEA0013726 |
| | 450VA INVERTER | VERY NOISY. | | | | | | | |
| 2432 | 2298Z | BELL | | | | BATTERY | FAILED | | 4/2/98 |
| HEEA | 33077 | 412 | | | | 39563001 | STANDBY DC | | HEEA0013720 |
| | BATTERY UNIT FA | AILED CAPACITY TEST | Γ. | | | | | | |
| 2436 | 23023 | BELL | | | | CONTROL UNIT | FAILED | | 4/2/98 |
| HEEA | 33080 | 412 | | | | 51509002R | DC SYS | | HEEA0013725 |
| | GENERATOR WOU | JLD NOT COME ON LIN | NE. | | | | | | |
| 2621 | 3911L | BELL | | | | EXTINGUISHER | DEFECTIVE | | 4/3/98 |
| HEEA | 33023 | 412 | | | | A352T | FIRE EXT | | HEEA0013840 |
| | FIRE EXT OUT OF | GREEN AT 10C. | | | | | | | |
| 2822 | 2258F | BELL | | | | PUMP | FAILED | | 4/2/98 |
| HEEA | 33073 | 412 | | | | 164A1681 | FUEL BOOST | | HEEA0013707 |
| | BOOST PUMP INO | PERATIVE. | | | | | | | |
| 2824 | 2148K | BELL | | | | VALVE | FAILED | | 4/3/98 |
| HEEA | 36001 | 412 | | | | L88010491 | FUEL SYS | | HEEA0013842 |
| | VALVE DOES NOT | CYCLE. | | | | | | | |

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|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 2840 | 2298Z | BELL | | | | PROBE | FAILED | | 4/2/98 |
| HEEA | 33077 | 412 | | | | 391046197 | FUEL SYS | | HEEA0013704 |
| | INDICATES HIGH | OUT OF TOLERANCE; V | WIRE CRUSHED. | | | | | | |
| 2840 | 6559Z | BELL | | | | SIGNAL COND | FAILS | | 4/2/98 |
| HEEA | 36019 | 412 | | | | 473203003 | FUEL SYS | | HEEA0013696 |
| | INTERMITTENTLY | Y NEEDLE GOES TO ZE | RO. | | | | | | |
| 2841 | 293CA | BELL | | | | INDICATOR | STICKS | | 4/2/98 |
| HEEA | | 412 | | | | 393008047 | FUEL QTY | | HEEA0013722 |
| | INDICATOR STICK | KS AT 1000. | | | | | | | |
| 2842 | 5759N | BELL | | | | PROBE | FAILED | | 4/2/98 |
| HEEA | 33002 | 412 | | | | 391046200 | FUEL QTY | | HEEA0013785 |
| | FUEL QTY PROBE | INACCURATE READIN | GS. | | | | | | |
| 2915 | 2148K | BELL | | | | VALVE ASSY | FAILED | | 4/2/98 |
| HEEA | 36001 | 412 | | | | 212076006007 | HYD PRESS | | HEEA0013815 |
| | BYPASS BUTTON | WILL NOT RESET. | | | | | | | |
| 3413 | 3893S | BELL | | | | INDICATOR | DEFECTIVE | | 4/2/98 |
| HEEA | 33022 | 412 | | | | RC30VIL | RATE OF CLIMB | | HEEA0013689 |
| | SMALL SCREW LC | OOSE INSIDE RATE OF | CLIMB GAUGE. | | | | | | |
| 3414 | 3893P | BELL | | | | AIRSPEED IND | FAILED | | 4/2/98 |
| HEEA | 33012 | 412 | | | | 412075009105 | COCKPIT | | HEEA0013751 |
| | AIRSPEED INDICA | TOR NEEDLE DOES NO | OT RETURN TO ZERO | | | | | | |
| 3414 | 2261D | BELL | | | | AIRSPEED IND | FAILED | | 4/2/98 |
| HEEA | 33076 | 412 | | | | 412075009105 | COCKPIT | | HEEA0013748 |
| | AIRSPEED INDICA | TES LOW OUT OF TOL | ERANCE THROUGHO | UT SCALE. | | | | | |
| 3414 | 23023 | BELL | | | | AIRSPEED IND | FAILED | | 4/2/98 |
| HEEA | 33080 | 412 | | | | 412075009105 | COCKPIT | | HEEA0013747 |
| | AIRSPEED INDICA | TOR DOES NOT INDIC | ATE BELOW 25 KNOT | rs. | | | | | |
| 3416 | 3893L | BELL | | | | INDICATOR | LEAKING | | 4/2/98 |
| HEEA | 33006 | 412 | | | | 212070238003 | ALTIMETER | | HEEA0013682 |
| | INDICATOR HAS E | EXCESSIVE CASE LEAK | | | | | | | |
| 3421 | 3893L | BELL | | | | INDICATOR | PRECESSES | | 4/2/98 |
| HEEA | 33006 | 412 | | | | 1113034 | COCKPIT | | HEEA0013821 |
| | ATTITUDE INDICA | ATOR PRECESSES. | | | | | | | |
| 3421 | 2261D | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 33076 | 412 | | | | 1113034 | COCKPIT | | HEEA0013831 |
| | ATTITUDE INDICA | ATOR POPS CIRCUIT BE | REAKER. | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 3421 | 142PH | BELL | | | | INDICATOR | STICKS | | 4/2/98 |
| HEEA | 33150 | 412 | | | | 1113034 | ROLL COMMAND | | HEEA0013732 |
| | ROLL COMMAND | BAR STICKS IN CENTE | R POSITION. | | | | | | |
| 3421 | 142PH | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 33150 | 412 | | | | 222375033103 | COCKPIT | | HEEA0013750 |
| | ATTITUDE INDICA | ATOR EXCESSIVE ROLI | L IN PITCH ERECTION | N RATES. | | | | | |
| 3421 | 7128R | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 36007 | 412 | | | | 1113034 | ROLL AXIS | | HEEA0013733 |
| | INDICATOR CHAT | TER IN ROLL AXIS. | | | | | | | |
| 3424 | 3911L | BELL | | | | GYRO | FAILED | | 4/2/98 |
| HEEA | 33023 | 412 | | | | 214075244001 | COCKPIT | | HEEA0013691 |
| | TURN NEEDLE DO | ESN'T WORK. RATE G | YRO FAILED | | | | | | |
| 3424 | 7128R | BELL | | | | RATE GYRO | FAILED | | 4/2/98 |
| HEEA | 36007 | 412 | | | | 214075244001 | COCKPIT | | HEEA0013822 |
| | RATE TURN INDIC | CATOR NO TURN NEEL | DLE MOVEMENT. | | | | | | |
| 5210 | 22608 | BELL | | | | TRACK ASSY | MIS MFG | | 4/1/98 |
| HEEA | 33075 | 412 | | | | 205030220010 | RT DOOR | | HEEA0013678 |
| | REMOVE AND REP | PLACE MISMANUFACT | URED UPPER R/H DC | OR TRACK ON AIRFI | RAME FWD SECTION. | | | | |
| 6230 | 1202T | BELL | | | | MAST ASSY | CORRODED | 3091 | 4/2/98 |
| HEEA | 33112 | 412 | | | | 412040101127 | M/R | | HEEA0013799 |
| | 3100 HOUR INSPEC | CTION. UNBONDED W | EAR SLEEVE AND IN | SPECT T/D CORROSI | ON ON UPPER MAST. | | | | |
| 6240 | 107X | BELL | | | | DETECTOR | FAILED | | 3/19/98 |
| HEEA | 33113 | 412 | | | | 214074280107 | RPM LIMIT | | HEEA0013464 |
| | RPM LIMIT DETEC | CTOR FAILED. CYCLE | COUNTER TIME STA | YS ON AT ALL TIMES | S. | | | | |
| 6240 | 108X | BELL | | | | DETECTOR | FAILED | | 3/26/98 |
| HEEA | 33115 | 412 | | | | 214074280107 | RPM LIMIT | | HEEA0013570 |
| | LIGHTS INTERMIT | TENT FLASHING. | | | | | | | |
| 6240 | 7128R | BELL | | | | DETECTOR | FAILED | | 4/2/98 |
| HEEA | 36007 | 412 | | | | 214074280107 | RPM LIMIT | | HEEA0013793 |
| | RPM AUDIO INOPI | ERATIVE CAUSES CYC | LIC CENTER LIGHT | TO COME ON. | | | | | |
| 6320 | 2261D | BELL | | | | OIL COOLER | LEAKING | | 4/2/98 |
| HEEA | 33076 | 412 | | | | 8538100 | XMSN | | HEEA0013817 |
| | OIL COOLER LEAF | KING. | | | | | | | |
| 6710 | 22608 | BELL | | | | LINEAR ACTUATOR | BROKEN | | 4/2/98 |
| HEEA | 33075 | 412 | | | | 204060762005 | M/R | | HEEA0013830 |
| | LINEAR ACTUATO | OR TERMINAL STUD IS | BROKEN. | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|---|---------------------|-----------------------|----------------------|--------------------------|------------------------|-------------|----------------------------|
| 6720 | 293CA | BELL | | | | ROLL CONTROL | FAILED | | 4/2/98 |
| HEEA | | 412 | | | | 7001483 | T/R CONTROL | | HEEA0013721 |
| | ROLL CONTROL I | KICKS IN BOTH CHANN | IEL IN ATT. MODE A | ND SAS MODE. | | | | | |
| 7200 | 3893P | BELL | | | | POWER SEC | FAILED | 13424 | 4/2/98 |
| HEEA | 33012 | 412 | | | | 3017600 | ENGINE | | HEEA0013711 |
| | COMPRESSOR ST. | ALLS. INSPECT FOR CO | ORROSION ON ACCE | SSORY GEARBOX. | | | | | |
| 7323 | 108X | BELL | PWA | | BENDIX | GOVERNOR | FAILED | | 3/7/98 |
| HEEA | 33115 | 412 | PT6T3B | | | 25249994 | NR 2 ENGINE | 1550 | 98ZZZX1455 |
| | | CED LOW SIDE GOVER GOVENROR. REF: P& | | | | ASE AND LANDED WITHO | UT INCIDENT. MAINTEN | IANCE REPLA | CED NR 2 ENGINE |
| 7412 | 23023 | BELL | | | | EXCITER | FAILED | | 4/2/98 |
| HEEA | 33080 | 412 | | | | 103815501 | ENG ING | | HEEA0013792 |
| | EXCITER INTERM | IITTENT. CAUSED ENG | SINE TO FLAME OUT | AT START, 40 N1. | | | | | |
| 7712 | 3893N | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 33010 | 412 | | | | 412075008111 | ENG TORQUE | | HEEA0013684 |
| | ENGINE INPUT BI | OWS CIRCUIT BREAKI | ER. | | | | | | |
| 7921 | 2298Z | BELL | | | | OIL COOLER | LEAKING | | 4/2/98 |
| HEEA | 33077 | 412 | | | | 209062501005 | ENG OIL | | HEEA0013789 |
| | UNIT IS LEAKING | - | | | | | | | |
| 7931 | 3893P | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 33012 | 412 | | | | 209070262101 | ENG OIL | | HEEA0013802 |
| | OIL PRESSURE IS | HIGH. | | | | | | | |
| 7931 | 2298Z | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 33077 | 412 | | | | 209070262101 | ENG OIL | | HEEA0013801 |
| | OIL TEMP/PRESS | INDICATOR FAILED. | | | | | | | |
| 7931 | 107X | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 33113 | 412 | | | | 209062002001 | ENGINE | | HEEA0013796 |
| | INDICATOR ALW | AYS POPPED. | | | | | | | |
| 2350 | 911SV | BOLKMS | | | | AUDIO PANEL | DEFECTIVE | | 1/29/98 |
| RMXA | 2033 | BO105LSA3 | | | | AA95726 | COCKPIT | | 98ZZZX1512 |
| | AUDIO PANEL SE | LECT KNOB INOPERAT | IVE. REMOVED ANI | REPLACED. | | | | | |
| 2562 | 54191 | BOLKMS | | | | SWITCH | DEFECTIVE | | 4/2/98 |
| HEEA | S804 | BO105S | | | | 569880101 | ELT | | HEEA0013712 |
| | SWITCH CAUSES | ELT TO GO OFF ALL TI | HE TIME. | | | | | | |
| 2562 | 54191 | BOLKMS | | | NARCO | ELT | FAILED | | 4/2/98 |
| HEEA | S804 | BO105S | | | | ELT910 | COCKPIT | | HEEA0013741 |
| | INADVERTENT A | CTIVATION FOR UNKN | OWN PERIODS OF T | IME. | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|----------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 2844 | 911EB | BOLKMS | | | | TRANSDUCER | FAILED | | 4/2/98 |
| HEEA | S812 | BO105S | | | | BSE206150G3 | FUEL SYS | | HEEA0013702 |
| | TRANSDUCER HIG | GH OUT OF TOLERANC | E THROUGHOUT. | | | | | | |
| 2844 | 81832 | BOLKMS | | | | TRANSDUCER | FAILED | | 4/2/98 |
| HEEA | S828 | BO105S | | | | BSE206150G3 | FUEL PRESS | | HEEA0013743 |
| | TRANSDUCER RE | ADS HIGH OUT OF TOL | ERANCE. | | | | | | |
| 3213 | 5029H | BOLKMS | | | | SKID | CORRODED | | 4/2/98 |
| HEEA | S670 | BO105S | | | | 10550103 | END CAP | | HEEA0013776 |
| | CORROSION PITS | INSIDE OF TUBE AT FV | VD. END CAP. | | | | | | |
| 3340 | | BOLKMS | | | | POWER SUPPLY | FAILED | | 4/2/98 |
| HEEA | | BO105S | | | | A413A | STROBE | | HEEA0013701 |
| | POWER SUPPLY I | NOPERATIVE. | | | | | | | |
| 3340 | 3071K | BOLKMS | | | | POWER SUPPLY | FAILED | | 4/2/98 |
| HEEA | S859 | BO105S | | | | A413AHDADF28V | STROBE | | HEEA0013787 |
| | STROBE POWER S | UPPLY INOPERATIVE. | | | | | | | |
| 3421 | 105NG | BOLKMS | | | | GYRO | FAILED | | 2/7/98 |
| RMXA | S632 | BO105S | | | | 5040017901 | COCKPIT | | 98ZZZX1506 |
| | ATTITUDE GYRO | FAILED ON OPS CHECK | K. SPINS LIKE A TOP. | REMOVED AND RE | PLACED. | | | | |
| 3457 | 81982 | BOLKMS | | | | GPS | DEFECTIVE | | 4/3/98 |
| HEEA | S818 | BO105S | | | GPS150 | 0110005400 | COCKPIT | | HEEA0013837 |
| | DUE 2 YEAR INSP | ECTION. PERFORMED | PRELIMINARY INSPE | ECTION AND FOUND | GPS HAS SEVERAL | BUTTONS TO BE UNREAL | DABLE AND ALSO BACKUP | BATTERY I | S DEAD. |
| 3457 | 81832 | BOLKMS | | | | ANTENNA | FAILED | | 4/2/98 |
| HEEA | S828 | BO105S | | | | 1624811 | GPS | | HEEA0013834 |
| | GPS INDICATES A | NTENNA FAILED AND | SHOWS 1.0 VOLTS. | | | | | | |
| 3610 | | BOLKMS | | | | VALVE | FAILED | | 3/26/98 |
| HEEA | | BO105S | | | | 97914211 | PNEU SYS | | HEEA0013650 |
| | VALVE HAS PIECE | ES BROKEN INSIDE. | | | | | | | |
| 6240 | 818SH | BOLKMS | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | S753 | BO105S | | | | 10594564 | MAST MOMENT | | HEEA0013723 |
| | MAST MOMENT II | NDICATOR INDICATES | ZERO. | | | | | | |
| 6240 | 818SH | BOLKMS | | | | TRANSMITTER | FAILED | | 4/2/98 |
| HEEA | S753 | BO105S | | | | 10594575 | MAST MOMENT | | HEEA0013724 |
| | MAST MOMENT II | NDICATES ZERO. | | | | | | | |
| 6320 | 5029H | BOLKMS | | | | LOWER HOUSING | WORN | | 4/2/98 |
| HEEA | S670 | BO105S | | | | 4638201004 | M/R XMSN | | HEEA0013760 |
| | M/R GR BOX LOW | ER HOUSING SEAT WO | RN, LOOSE INSIDE L | INERS. | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|---------------------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 6520 | 5029H | BOLKMS | | | | CENTER CASE | WORN | | 4/2/98 |
| HEEA | S670 | BO105S | | | | 4638201003 | T/R | | HEEA0013752 |
| | T/R BORE WORN A | AND LOOSE LINERS (3 | EACH). | | | | | | |
| 6520 | 133AE | BOLKMS | | | | CENTER CASE | WORN | | 4/2/98 |
| HEEA | S800 | BO105S | | | | 4638201003 | T/R | | HEEA0013686 |
| | T/R BORE NOZZLE | E RING SEAT AND SUP | PORT PIN SEAT DUE | TO WEAR. | | | | | |
| 7260 | 86CH | BOLKMS | ALLSN | | | GEARBOX COVER | LEAKING | | 3/30/98 |
| HEEA | S557 | BO105S | 250C20B | | 6894171 | 23055464 | AFT TM BORE | | HEEA0013667 |
| | ENGINE REMOVE | D DUE TO AFT T/M LEA | AK. INSPECTION REV | VEALED: LEAKING A | T COVER AFT T/M F | BORE. | | | |
| 7320 | 911LF | BOLKMS | ALLSN | | | ACTUATOR | FAILED | | 3/27/98 |
| RMXA | S663 | BO105S | 250C20B | | | 1564T1005 | NR 2 ENG CONTROL | | 98ZZZX1503 |
| | FOLLOWING TAK INOPERABLE. PA | * | LIGHT, ATTEMPTED | TO BEEP ENGINES DO | OWN - ONLY NR 1 R | ESPONDED. RETURNED A | AND EMERGENCY LANDING | MADE. FO | OUND NR 2 ACTUATOR |
| 7714 | 5421E | BOLKMS | | | | INDICATOR | ERRATIC | | 4/2/98 |
| HEEA | S806 | BO105S | | | | DL41239 | SINGLE RPM | | HEEA0013734 |
| | ERRATIC ON STAI | RTUP AND SHUTDOW | N. | | | | | | |
| 7714 | 5421E | BOLKMS | | | | INDICATOR | STICKS | | 4/2/98 |
| HEEA | S806 | BO105S | | | | DL41239 | SINGLE RPM | | HEEA0013727 |
| | INDICATOR INTER | RMITTENTLY STICKS | AT ZERO. | | | | | | |
| 7722 | 5029H | BOLKMS | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | S670 | BO105S | | | | 10590947 | TOT | | HEEA0013708 |
| | TOT INDICATOR V | VILL NOT CALIBRATE | AND POINTER NEED | S REFACING. | | | | | |
| 7722 | 5029H | BOLKMS | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | S670 | BO105S | | | | 50061036 | EXH TEMP | | HEEA0013735 |
| | EXH TEMP INDICA | ATOR FAILS CALIBRAT | ΓΙΟΝ CHECK. | | | | | | |
| 7722 | 624MB | BOLKMS | | | | INDICATOR | STICKS | | 4/2/98 |
| HEEA | S751 | BO105S | | | | 50061036 | EXH TEMP | | HEEA0013737 |
| | EXH TEMP NEEDL | E STICKS ON HIGH SII | DE. | | | | | | |
| 2210 | 7040U | BOLKMS | | | | AUTOPILOT | FAILED | | 3/26/98 |
| HEEA | 7180 | BK117B1 | | | PC700 | 7000299908 | COCKPIT | | HEEA0013629 |
| | API WORKS INTER | RMITTENTLY, SAS/AT | Γ DOES NOT WORK. | | | | | | |
| 2210 | 134AE | BOLKMS | | | | TRANSDUCER | MALFUNCTION | | 4/2/98 |
| HEEA | 7237 | BK117B2 | | | | 11788810 | CSAS | | HEEA0013827 |
| | TRANSDUCER CA | USES ERRATIC READI | NGS. | | | | | | |
| 2211 | 214AE | BOLKMS | | | | COMPUTER | FAILED | | 2/14/98 |
| RMXA | 7206 | BK117B1 | | | | 7004206901 | CSAS | | 98ZZZX1508 |
| | CSAS COMPUTER | PITCH AND ROLL LIG | HT STAYS ON. REMO | OVED AND REPLACEI | Э. | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|--------------------------|--|---------------------|-----------------------|----------------------|--------------------------|---|------------|----------------------------|
| 2312 | 217MC | BOLKMS | | | | TRANSCEIVER | DEFECTIVE | | 2/26/98 |
| RMXA | 7195 | BK117B1 | | | RT138F | 40001452500 | COCKPIT | | 98ZZZX1505 |
| | TRANSCEIVER PL | TONE MODULATION I | S INDICATING 1.8 HK | ZZ TO 2.1 KHZ. CHEC | CKED SPECS - SHOUL | LD BE AROUND .75 TO .8 K | HZ. REMOVED AND REPLA | ACED. | |
| 2820 | 132AE | BOLKMS | | | | FUEL FILTER | WARNING LIGHT | | 4/2/98 |
| HEEA | 7238 | BK117B2 | | | | | NR 2 ENG FILTER | | 98ZZZX1496 |
| | ON APRIL 2, 1998 | AT 1236 IN CRUISE FLI | GHT, NR 2 ENGINE FU | JEL FILTER LIGHT IL | LUMINATED. RETU | JRNED TO GLENDALE AIR | PORT. TROUBLESHOOTIN | G IN PROGR | ESS. |
| 2821 | 132AE | BOLKMS | | | | FUEL FILTER | CONTAMINATED | | 3/30/98 |
| HEEA | 7238 | BK117B2 | | | | 430129501 | FUEL 1-2 | | 98ZZZX1497 |
| | LIGHT ILLUMINA | TED. LANDED IN THE INGINE FUEL FILTER A | DESERT ONE MILE S | OUTH OF WITTMAN, | AZ. MAINTENANC | E SAMPLED FUEL, REPLAC | APPROXIMATELY 5 MINUTI CED FILTER ELEMENTS. NO FILTER SWITCHES. (THER | O ABNORMA | ALITIES NOTED. |
| 3310 | 118LL | BOLKMS | | | | CONTROL UNIT | FAILED | | 3/1/98 |
| RMXA | 7097 | BK117A3 | | | | 1179203103 | COCKPIT | | 98ZZZX1499 |
| | INTERNAL MALFU PILOT. | UNCTION OF COPILOT | INSTRUMENT LIGHT | ING CONTROL UNIT | . WHEN CONTROL | UNIT FAILED, IT PRODUCE | ED SMOKE AND ELECTRICA | AL FUMES A | CCORDING TO |
| 3340 | 117LU | BOLKMS | | | | LIGHT | FAILED | 15 | 2/5/98 |
| RMXA | 7144 | BK117B1 | | | | 30050423 | ANTI COLLISION | | 98ZZZX1517 |
| | ANTI-COLLISION | STROBE INOPERATIVE | E. REMOVED AND RE | PLACED. | | | | | |
| 3421 | 214AE | BOLKMS | | | | ARTIFICAL HORIZ | MALFUNCTIONED | | 2/13/98 |
| RMXA | 7206 | BK117B1 | | | | 4021541671 | COCKPIT | | 98ZZZX1507 |
| | ARTIFICAL HORIZ | ON PITCH AND ROLL | CSAS WILL NOT ENG | AGE. REMOVED AN | D REPLACED. | | | | |
| 6210 | 128HH | BOLKMS | | | | BEARING | CRACKED | | 3/18/98 |
| | 7036 | BK117A1 | | | | 601741 | BLUE M/R BLADE | | 98ZZZX1473 |
| | NOTICED BLUE M | /R BLADE PENDULUM | ABSORBER SOUNDE | D ROUGH ON PRE-FI | LIGHT INSPECTION. | SUSPECT CAUSE, LACK C | OF LUBRICATION. | | |
| 6410 | 170MC | BOLKMS | | | | BLADE | DEBONDED | 292 | 1/11/98 |
| RMXA | 7217 | BK117B1 | | | | 11731743 | T/R | | 98ZZZX1516 |
| | TAIL ROTOR BLAI | DE DEBONDING. REM | OVED AND REPLACE | D. | | | | | |
| 6410 | 213AE | BOLKMS | | | | BLADE | ERODED | 567 | 3/25/98 |
| BAQA | 7219 | BK117B1 | | | | 11731743 | T/R | | 98ZZZX1501 |
| | EXCESSIVE EROS | ION OF T/R BLADES SU | JRFACE PROTECTION | I. THE PAINT HAS CO | OME OFF IN LARGE | STRIPS AND THEN THE RU | UBBERIZED EROSION PROT | ECTION ST | ARTS FLAKING OFF. |
| 6410 | 213AE | BOLKMS | | | | BLADE | ERODED | 567 | 3/25/98 |
| BAQA | 7219 | BK117B1 | | | | 11731743 | T/R | | 98ZZZX1500 |
| | EXCESSIVE EROS | ION OF T/R BLADES SU | JRFACE PROTECTION | I. THE PAINT HAS CO | OME OFF IN LARGE | STRIPS AND THEN THE RU | JBBERIZED EROSION PROT | ECTION ST | ARTS FLAKING OFF. |
| 2211 | 117NC | BOLKMS | | | | COMPUTER | FAILED | | 1/30/98 |
| RMXA | 7509 | BK117C1 | | | | 7004206901 | COCKPIT | | 98ZZZX1513 |
| | CSAS COMPUTER | INTERMITTENT. ROLI | L AND PITCH CHANN | ELS BOTH DROP OF | F-LINE AND CANNO | T BE RESET OR JUST WILL | NOT COME ON-LINE. REM | MOVED AND | REPLACED. |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|---|--|---|---|---------------------------------------|--|---|----------------------|--|
| 2211 | 117NC | BOLKMS | | | | COMPUTER | FAILED | | 2/6/98 |
| RMXA | 7509 | BK117C1 | | | 88030204 | 7004206901 | CSAS | | 98ZZZX1509 |
| | CSAS COMPUTER | PITCH LIGHT ILLUMIN | ATED INTERMITTEN | TLY IN-FLIGHT. RE | MOVED AND REPLA | CED. | | | |
| 2810 | 117NC | BOLKMS | | | | VALVE | FAILED | 472 | 1/9/98 |
| RMXA | 7509 | BK117C1 | | | | P401 | FUEL VENT | | 98ZZZX1511 |
| | VENT VALVE FAII | LED. REMOVED AND R | EPLACED. | | | | | | |
| 2810 | 117NC | BOLKMS | | | | VALVE | FAILED | | 1/9/98 |
| RMXA | 7509 | BK117C1 | | | | P401 | FUEL VENT | | 98ZZZX1510 |
| | VENT VALVE FAII | LURE. ALLOWS FUEL T | O VENT. REMOVED | AND REPLACED. | | | | | |
| 6720 | 317MC | BOLKMS | | | | PITCH LINK | WORN | | 6/19/97 |
| RMXA | 7505 | BK117C1 | | | | 11731822 | T/R | | 98ZZZX1515 |
| | BEARINGS WORN | IN PITCH LINK ASSY. | REMOVED AND REP | LACED. | | | | | |
| 6720 | 317MC | BOLKMS | | | | PITCH LINK | WORN | | 7/22/97 |
| RMXA | 7505 | BK117C1 | | | | 11731822 | T/R | | 98ZZZX1514 |
| | PITCH LINK ASSY | HAS WORN BEARINGS | . REMOVED AND RE | EPLACED. | | | | | |
| 3160 | 901CF | DOUG | | | | DISPLAY | FAILED | 344 | 3/10/98 |
| R7MA | 90000012 | MD900 | | | | 900A3720002107 | COCKPIT | | 98ZZZX1502 |
| | DISPLAY SYSTEM PROBLEM. | UNIT INOPERATIVE. I | OWER HALF OF DIS | PLAY IS DIMMER (AI | PPROXIMATELY BY | HALF) THAN THE UPPER | HALF. REPLACED WITH REP | 'AIRED UN | IIT. CORRECTED |
| 6210 | 46EE | HUGHES | | | | BLADE | UNBONDED | 2792 | 3/1/98 |
| OG5R | 0406E | 369E | | | | | M/R | | 98ZZZX1495 |
| | .100 INCH UNDER | | E WAS SENT TO BLA | | | | ISSING ADHESIVE WAS APPR E WAS SCRAPPED. AREA OF | | |
| 6220 | | HUGHES | | | | HOUSING | MISMANUFACTURED | | 3/23/98 |
| CHIR | | 369C | | | | 369A1305 | FEATHER BEARING | | CHI2080 |
| | NOT HAVE THE H | OLE DRILLED, THE SEC | COND ONE ORDERED | UNDER WARRANT | Y DID NOT HAVE TH | | ACH THE 369D21333-3 STRIKE TTER STATED NO QUALITY C YAS THERE. (X) | | |
| 7314 | 500DC | HUGHES | ALLSN | | | FUEL PUMP | FAILED | 2502 | 3/30/98 |
| LS1R | 290456D | 369D | 250C20B | | | 3865005 | ENGINE | | 98ZZZX1494 |
| | FAILED BYPASS C | HECK AT 100 HOUR IN | SPECTION. FUEL PU | MP REMOVED AND S | SENT FOR OVERHAU | L EVALUATION. | | | |
| 6710 | 313KA | KAMAN | | | | LIMITER | BINDING | 1385 | 1/14/98 |
| | 940019 | K1200 | | | | K982100001 | COLLECTIVE CRANK | | 98ZZZX1408 |
| **** | NORMAL. 12-10-9 OUTSIDE DIAMET RANGE OF OPERA | 7: COLLECTIVE LIMITI ER AND CRANK (ALUN | ER INPUT CRANK FO IINUM) 1.0. AT EACH 6 TO 261.4 HOURS. N | UND TO HAVE INTEI H LIMITER CHANGE, NO PART NUMBERS A | RMITTENT BINDING THE BINDING OF TH | ON COLLECTIVE SHAFT IE CRANK TO THE SHAFT | ER EACH INSTALL, AIRCRAF AT DISASSEMBLY. CORROS WAS LOOSENED AND OPER. COMMEND A MIL SPEC CORR | ION FOUN ATIONS W | D ON SHAFT (STEEL) ERE NORMAL FOR A |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 2210 | 1547D | SKRSKY | | | | MAGNETIC BRAKE | FAILED | | 4/2/98 |
| HEEA | 760077 | S76A | | | | 7690001812102 | AUTOFLIGHT | | HEEA0013749 |
| | LATERAL FORCE | TRIM INOPERATIVE. | | | | | | | |
| 2420 | 5128 | SKRSKY | | | | GENERATOR CONTRO | FAILED | | 4/2/98 |
| HEEA | 760181 | S76A | | | | 7655009005108 | AC SYS | | HEEA0013816 |
| | A/C GENERATOR | WOULD NOT COME ON | N BY ITSELF. | | | | | | |
| 2562 | 1547D | SKRSKY | | | NARCO | ELT | MALFUNCTION | | 4/2/98 |
| HEEA | 760077 | S76A | | | | ELT910 | COCKPIT | | HEEA0013740 |
| | ELT TRANSMITS I | NTERMITTENTLY WHI | EN OFF ON ARM. | | | | | | |
| 2611 | 1545X | SKRSKY | | | | DETECTOR | INTERMITTENT | | 4/2/98 |
| HEEA | 760050 | S76A | | | | 30231R7B | SMOKE DET | | HEEA0013719 |
| | SMOKE DET INTE | RMITTENT WARNING | LIGHTS. | | | | | | |
| 2913 | 3122H | SKRSKY | | | | HYD PUMP | WORN | | 4/2/98 |
| HEEA | 760233 | S76A | | | | 7665009808101 | HYD SYS | | HEEA0013819 |
| | SPLINE WORN ON | INTERNAL AND EXTE | RNAL DRIVE SHAFTS | S. | | | | | |
| 2932 | 4253S | SKRSKY | | | | TRANSMITTER | FAILED | | 4/2/98 |
| HEEA | 760035 | S76A | | | | 7645001078121 | HYD SYS | | HEEA0013692 |
| | HYD TRANSMITTI | ER OCCASSIONALLY II | NDICATES MIN. | | | | | | |
| 3120 | 4253S | SKRSKY | | | | DIGITAL CLOCK | FAILED | | 4/3/98 |
| HEEA | 760035 | S76A | | | | 811B | COCKPIT | | HEEA0013839 |
| | CLOCK WILL NOT | KEEP CORRECT TIME | | | | | | | |
| 3414 | 1546G | SKRSKY | | | | AIRSPEED IND | CRACKED | | 4/2/98 |
| HEEA | 760076 | S76A | | | | 8502CS20LW | COCKPIT | | HEEA0013746 |
| | AIRSPEED INDICA | TOR INLET POTS CRAC | CKED. | | | | | | |
| 3416 | 5426U | SKRSKY | | | | INDICATOR | LEAKAGE | | 4/3/98 |
| HEEA | 760167 | S76A | | | | 212070238007 | COCKPIT | | HEEA0013844 |
| | ALTIMETER EXCE | SSIVE CASE LEAKAGE | ī. | | | | | | |
| 3416 | 5426U | SKRSKY | | | | INDICATOR | FAILED | | 4/3/98 |
| HEEA | 760167 | S76A | | | | 212070238003 | COCKPIT | | HEEA0013846 |
| | INDICATOR IS OU | T OF TOLERANCE AT 1 | 18,000 FEET. FAILED | BEFORE AND AFTER | R TEST. | | | | |
| 3421 | 22342 | SKRSKY | | | | GYRO | FAILED | | 4/2/98 |
| HEEA | 760096 | S76A | | | | 501145301 | COCKPIT | | HEEA0013705 |
| | VERT GYRO WILL | NOT SPOOL UP. | | | | | | | |
| 3421 | 5426U | SKRSKY | | | | VERTICAL GYRO | MALFUNCTION | | 4/2/98 |
| HEEA | 760167 | S76A | | | | 7660002113103 | NR 1 PITCH | | HEEA0013772 |
| | NR 1 PITCH KICKS | IN LEVEL FLIGHT. | | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|------------|----------------------------|
| 3421 | 911 M J | SKRSKY | | | | VERTICAL GYRO | FAILED | | 4/2/98 |
| HEEA | 760231 | S76A | | | | 7660002113103 | COCKPIT | | HEEA0013745 |
| | STARTED TUMBLE | ING IN FLIGHT. | | | | | | | |
| 3423 | 31217 | SKRSKY | | | | COMPASS | DEFECTIVE | | 4/2/98 |
| HEEA | 760229 | S76A | | | | CB212528A | COCKPIT | | HEEA0013683 |
| | COMPASS FLUID I | LEVEL IS LOW. | | | | | | | |
| 3444 | 1546G | SKRSKY | | | | TRANSCEIVER | FAILED | | 4/2/98 |
| HEEA | 760076 | S76A | | | | 7001840913 | RADAR ALT | | HEEA0013742 |
| | FAILED TEST 1.1 (| NOT VALID) | | | | | | | |
| 3452 | 22342 | SKRSKY | | | | TRANSPONDER | FAILED | | 4/2/98 |
| HEEA | 760096 | S76A | | | | 066107100 | COCKPIT | | HEEA0013710 |
| | TRANSPONDER IN | OPERATIVE ALSO CAI | PACITY C507 IS BAD. | | | | | | |
| 3610 | 31217 | SKRSKY | | | | VALVE | FAILED | | 4/2/98 |
| HEEA | 760229 | S76A | | | | 7650007903102 | BLEED SOV | | HEEA0013756 |
| | BLEED SOV INOPE | ERATIVE. | | | | | | | |
| 6220 | 1546G | SKRSKY | | | | DAMPER | LEAKING | | 4/2/98 |
| HEEA | 760076 | S76A | | | | 7610608000049 | M/R | | HEEA0013807 |
| | DAMPER IS WEAK | AND LEAKING. | | | | | | | |
| 7931 | 1545X | SKRSKY | | | | INDICATOR | FLUCTUATES | | 4/2/98 |
| HEEA | 760050 | S76A | | | | 7645001078101 | ENG OIL | | HEEA0013736 |
| | NEEDLE FLUCTUA | ATES AT 50' INTERMIT | TENTLY. | | | | | | |
| 2435 | 40466 | SNIAS | | | | GENERATOR | NOISY | 381 | 4/2/98 |
| HEEA | 3004 | AS350B2 | | | | 150SG122Q | START/GEN | | HEEA0013679 |
| | RADIO INTERFERI | ENCE. INSPECTED BY | ACCESSORY OVERH | AUL SHOP AND FOU | ND BRUSHES EXCES | SSIVELY WORN, COMMUT | TATOR PITTED AND ARMAT | URE IS SHO | ORTED. |
| 7210 | 4034Q | SNIAS | | | | MAGNETIC SEAL | LEAKING | | 3/26/98 |
| HEEA | 2918 | AS350B2 | | | | 9560137520 | ENGINE | | HEEA0013614 |
| | MAGNETIC LEAKI | ING. | | | | | | | |
| (End of DC | MESTIC SERVICE | DIFFICULTY REPOR | T SUMMARY - HEI | LICOPTERS) | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO | | |
|-------------|--|---|---------------------|-----------------------|----------------------|--|---|------------|----------------------------|--|--|
| 7314 | 8591X | BELL | | | | FUEL PUMP | WORN | | 4/2/98 | | |
| HEEA | 51495 | 206L3 | | | | 3881005 | FUEL SYS | | HEEA0013833 | | |
| | WORN DRIVE SHA | FT SPLINES AND GEAL | R SPLINES. | | | | | | | | |
| 7200 | 3893P | BELL | | | | POWER SEC | FAILED | 13424 | 4/2/98 | | |
| HEEA | 33012 | 412 | | | | 3017600 | ENGINE | | HEEA0013711 | | |
| | COMPRESSOR STA | ALLS. INSPECT FOR CO | ORROSION ON ACCE | SSORY GEARBOX. | | | | | | | |
| 7323 | 108X | BELL | PWA | | BENDIX | GOVERNOR | FAILED | | 3/7/98 | | |
| HEEA | 33115 | 412 | PT6T3B | | | 25249994 | NR 2 ENGINE | 1550 | 98ZZZX1455 | | |
| | | ED LOW SIDE GOVER! GOVENROR. REF: P& | | | | ASE AND LANDED WITHO | UT INCIDENT. MAINTENAN | CE REPLAC | CED NR 2 ENGINE | | |
| 7412 | 23023 | BELL | | | | EXCITER | FAILED | | 4/2/98 | | |
| HEEA | 33080 | 412 | | | | 103815501 | ENG ING | | HEEA0013792 | | |
| | EXCITER INTERM | ITTENT. CAUSED ENG | INE TO FLAME OUT | AT START, 40 N1. | | | | | | | |
| 7260 | 86CH | BOLKMS | ALLSN | | | GEARBOX COVER | LEAKING | | 3/30/98 | | |
| HEEA | S557 | BO105S | 250C20B | | 6894171 | 23055464 | AFT TM BORE | | HEEA0013667 | | |
| | ENGINE REMOVE | D DUE TO AFT T/M LEA | K. INSPECTION REV | VEALED: LEAKING A | T COVER AFT T/M E | BORE. | | | | | |
| 7320 | 911LF | BOLKMS | ALLSN | | | ACTUATOR | FAILED | | 3/27/98 | | |
| RMXA | S663 | BO105S | 250C20B | | | 1564T1005 | NR 2 ENG CONTROL | | 98ZZZX1503 | | |
| | FOLLOWING TAKE INOPERABLE. PAI | · · · · · · · · · · · · · · · · · · · | LIGHT, ATTEMPTED | TO BEEP ENGINES DO | OWN - ONLY NR 1 R | ESPONDED. RETURNED A | AND EMERGENCY LANDING | MADE. FO | OUND NR 2 ACTUATOR | | |
| 8530 | 54048 | CESSNA | LYC | | | VALVE SEAT | DAMAGED | 4627 | 3/18/98 | | |
| | 17274857 | 172P | O320D2J | | | | NR 3 CYL EXH VLV | 505 | 98ZZZX1448 | | |
| | DURING AIRCRAFT RUN-UP, THE PILOT NOTICED THE ENGINE WAS RUNNING ROUGH. THE MECHANIC PULLED A COMPRESSION CHECK AND FOUND THAT NR 3 CYLINDER HAD NO COMPRESSION. FURTHER INVESTIGATING AND CYLINDER REMOVAL SHOWED THE EXHAUST VALVE SEAT INSIDE THE CYLINDER HAD SLIPPED OUT FROM ITS GROOVE; THUS, NOT ALLOWING FOR PROPER VALVE SEATING. | | | | | | | | | | |
| 8530 | | CESSNA | LYC | | | ROCKER SHAFT | LOOSE | 2 | 4/8/98 | | |
| | | 172R | O360F1A6 | | | | NR 3 EXH-INT | | 98ZZZX1471 | | |
| | A DEAD CYLINDER CAUSED AIRCRAFT TO LAND. TROUBLESHOOTING FOUND NR 3 CYLINDER DEAD. WHEN REMOVING THE VALVE COVER, FOUND THE INTAKE AND EXHAUST ROCKER SHAFTS LOOSE AND ONE RETAINING NUT WAS INSIDE THE VALVE COVER. THE ACFT HAD JUST BEEN RETURNED TO SERVICE 2 TACK HOURS EARLIER, THE LOG BOOK SHOWED THAT ALL PUSH ROD SEALS WERE REPLACED DUE TO OIL LEAKS. THE OIL SEALS WERE REPLACED BUT UPON RE-INSTALLATION OF THE ROCKER SHAFT, THE MECHANIC USED STAR WASHERS TO SECURE THE PLAIN NUTS INTO PLACE. THE CONTINENTAL ENGINE MANUALS CALLS FOR A LOCK P/N 50186. NEW LOCKS INSTALLED (24 EACH) ON ALL ROCKER SHAFT RETAINING NUTS AND CRIMP LOCKED AS REQUIRED. NO HARM WAS DONE AND GROUND RUN-UP WAS SATISFACTORY. | | | | | | | | | | |
| 7322 | 9109G | CESSNA | CONT | | FACET | PLUG | MISSING | 1752 | 3/3/98 | | |
| | 18260649 | 182N | O470P | | MA45 | 9944 | CARBURETOR BOWL | | 98ZZZX1476 | | |
| **** | | EOFF, ENGINE RUNNIN WL. NO SAFETY WIRE | | E ERUPTED. AFTER L. | ANDING, INSPECTIO | ON FOUND FIRE IN ENGIN | E COMPARTMENT DUE TO M | IISSING DE | AAIN PLUG FROM | | |
| 8530 | 9438M | CESSNA | CONT | | | GASKET | LEAKS | 9 | 3/30/98 | | |
| | U20604546 | TU206G | TSIO520M | | | 653191 | CYL NR 3 ROCKER | | 98ZZZX1454 | | |
| | | | | | | COVER GASKET. NINE HO ET WENT STRAIGHT BETV | OURS LATER, A LARGE OIL I WEEN TWO SCREWS. | LEAK WAS | EVIDENT, CYLINDER | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO | | |
|-------------|-------------------------------------|---|--------------------------------------|--------------------------------------|--|--------------------------|---|-----------|----------------------------|--|--|
| 7200 | 177GC | DHAV | PWA | | | ENGINE | FAILED | 23907 | 2/10/98 | | |
| GCNA | 263 | DHC6300 | PT6A27 | | | | LEFT | 11918 | 98ZZZX1488 | | |
| | POWER REDUCTION RESTARTED ENGINEERS | ON, TORQUE DROPPED INE AND PERFORMED | TO ZERO AND OIL P A THOROUGH GROU | RESSURE DROPPED ND RUN, AND COULI | BELOW 40 PSI. FEA D NOT DUPLICATE I | THERED AND SECURED E | OWER INCREASED TO 15 PS NGINE. ONCE ON GROUND ISCREPANCIES. REPLACED JLD BE FOUND. | , MAINTEN | ANCE PERSONNEL | | |
| 7314 | 500DC | HUGHES | ALLSN | | | FUEL PUMP | FAILED | 2502 | 3/30/98 | | |
| LS1R | 290456D | 369D | 250C20B | | | 3865005 | ENGINE | | 98ZZZX1494 | | |
| | FAILED BYPASS C | CHECK AT 100 HOUR IN | SPECTION. FUEL PU | MP REMOVED AND S | SENT FOR OVERHAU | JL EVALUATION. | | | | | |
| 8500 | 72013 | LUSCOM | CONT | | | ENGINE | MALFUNCTIONED | 5147 | 12/14/97 | | |
| | 3440 | 8A | A658 | | | | POWER SECTION | 121 | 98ZZZX1457 | | |
| | ENGINE OIL WAS | • | UND IN OIL, 6 GALLO | ONS OF FUEL (APPRO | X) FOUND IN TANK | | AIRCRAFT. ENGINE INSPE APEARS NORMAL, ENGINE | | | | |
| 8530 | 2204A | PIPER | LYC | | | RETAIN SPRING | BROKEN | 79 | 4/1/98 | | |
| CQVR | 287911006 | PA28236 | O540J3A5 | | | LW14995 | SHROUD TUBE | | 98ZZZX1452 | | |
| | RETAINING SPRIN | | D OTHER 5 CYLINDE | ERS. FOUND ONE MC | ORE BROKEN SPRIN | | INDER. REMOVED ROCKEI GS. REPLACED ALL SPRINC | | | | |
| 7210 | 4034Q | SNIAS | | | | MAGNETIC SEAL | LEAKING | | 3/26/98 | | |
| HEEA | 2918 | AS350B2 | | | | 9560137520 | ENGINE | | HEEA0013614 | | |
| | MAGNETIC LEAKING. | | | | | | | | | | |
| (End of DC | MESTIC SEDVICE | DIFFICULTY REPOR | T CHIMMADV EN | CINES) | | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO | | |
|-------------|--|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|--|--|
| 3416 | 406EH | BELL | | | | ALTIMETER | LEAKS | | 4/2/98 | | |
| HEEA | 45183 | 206L1 | | | | 59341 | COCKPIT | | HEEA0013685 | | |
| | ALTIMETER LEAKED DURING 12 MONTH INSPECTION. | | | | | | | | | | |
| 3416 | 3892R | BELL | | | | ALTIMETER | LEAKING | | 4/2/98 | | |
| HEEA | 45594 | 206L1 | | | | 59341 | COCKPIT | | HEEA0013773 | | |
| | ALTIMETER LEAF | KING AT KNOB. | | | | | | | | | |
| 3421 | 8591X | BELL | | | | GYRO | FAILED | | 4/2/98 | | |
| HEEA | 51495 | 206L3 | | | | 206075607103 | COCKPIT | | HEEA0013709 | | |
| | ATTITUDE GYRO | SPINS AND WILL NOT | CAGE. | | | | | | | | |
| 3422 | 2777D | BELL | | | | GYRO | FAILED | | 4/2/98 | | |
| HEEA | 45299 | 206L1 | | | | RCA15BK1 | COCKPIT | | HEEA0013761 | | |
| | DIR GYRO CAGIN | G SHAFT STICKS. PRE | CESSES AND GLASS | FOGS. | | | | | | | |
| 3424 | 108PH | BELL | | | | INDICATOR | FAILED | | 4/2/98 | | |
| HEEA | 51334 | 206L3 | | | | 206070274005 | COCKPIT | | HEEA0013764 | | |
| | INDICATOR STAY | 'S 1/2 BALL OFF. | | | | | | | | | |
| 3453 | 41791 | BELL | | | | ANTENNA | FAILED | | 4/2/98 | | |
| HEEA | 51465 | 206L3 | | | KA83 | 071143100 | LORAN | | HEEA0013835 | | |
| | LORAN UNIT NOT | RECEIVING SIGNAL. | | | | | | | | | |
| 3457 | 9907K | BELL | | | GARMIN INTL | GPS | FAILED | | 3/30/98 | | |
| LS1R | 2040 | 206B3 | | | GPS150 | 0110005400 | COCKPIT | | 98ZZZX1492 | | |
| | GPS WAS RETURN | NED FROM OVERHAUL | BATTERY LOW LIC | HT STAYED ON. UN | IT WOULD NOT PICE | K UP SATELLITES. | | | | | |
| 3120 | 102PH | BELL | | | | DIGITAL CLOCK | DEFECTIVE | | 4/3/98 | | |
| HEEA | 30899 | 212 | | | | 811B | COCKPIT | | HEEA0013841 | | |
| | COATING ON FAC | CE IS MISSING AND BA | ΓΤΕRY IS DEAD. | | | | | | | | |
| 2210 | | BELL | | | | COMPUTER | FAILED | | 4/2/98 | | |
| HEEA | | 412 | | | | 4025008918 | AFCS | | HEEA0013800 | | |
| | COMPUTER AFCS | WILL NOT TEST PROP | ERLY. | | | | | | | | |
| 2210 | 5759N | BELL | | | | TARSYN | FAILED | | 4/2/98 | | |
| HEEA | 33002 | 412 | | | | 2593996333 | AUTO FLIGHT | | HEEA0013825 | | |
| | HEADING PRECES | SSES AND FAILS TEST 8 | 3.5 ON SST. | | | | | | | | |
| 2210 | 7128R | BELL | | | | TARSYN | FAILED | | 4/2/98 | | |
| HEEA | 36007 | 412 | | | | 2593996333 | AUTO FLIGHT | | HEEA0013774 | | |
| | TARSYN WILL NO | OT SLAVE TO CONVERT | THEADINGS. | | | | | | | | |
| 3413 | 3893S | BELL | | | | INDICATOR | DEFECTIVE | | 4/2/98 | | |
| HEEA | 33022 | 412 | | | | RC30VIL | RATE OF CLIMB | | HEEA0013689 | | |
| | SMALL SCREW LO | OOSE INSIDE RATE OF | CLIMB GAUGE. | | | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 3414 | 3893P | BELL | | | | AIRSPEED IND | FAILED | | 4/2/98 |
| HEEA | 33012 | 412 | | | | 412075009105 | COCKPIT | | HEEA0013751 |
| | AIRSPEED INDICA | ATOR NEEDLE DOES NO | OT RETURN TO ZERO |). | | | | | |
| 3414 | 2261D | BELL | | | | AIRSPEED IND | FAILED | | 4/2/98 |
| HEEA | 33076 | 412 | | | | 412075009105 | COCKPIT | | HEEA0013748 |
| | AIRSPEED INDICA | TES LOW OUT OF TOL | ERANCE THROUGHO | OUT SCALE. | | | | | |
| 3414 | 23023 | BELL | | | | AIRSPEED IND | FAILED | | 4/2/98 |
| HEEA | 33080 | 412 | | | | 412075009105 | COCKPIT | | HEEA0013747 |
| | AIRSPEED INDICA | TOR DOES NOT INDIC | ATE BELOW 25 KNO | ΓS. | | | | | |
| 3416 | 3893L | BELL | | | | INDICATOR | LEAKING | | 4/2/98 |
| HEEA | 33006 | 412 | | | | 212070238003 | ALTIMETER | | HEEA0013682 |
| | INDICATOR HAS E | EXCESSIVE CASE LEAK | - - | | | | | | |
| 3421 | 3893L | BELL | | | | INDICATOR | PRECESSES | | 4/2/98 |
| HEEA | 33006 | 412 | | | | 1113034 | COCKPIT | | HEEA0013821 |
| | ATTITUDE INDICA | ATOR PRECESSES. | | | | | | | |
| 3421 | 2261D | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 33076 | 412 | | | | 1113034 | COCKPIT | | HEEA0013831 |
| | ATTITUDE INDICA | ATOR POPS CIRCUIT BE | REAKER. | | | | | | |
| 3421 | 142PH | BELL | | | | INDICATOR | STICKS | | 4/2/98 |
| HEEA | 33150 | 412 | | | | 1113034 | ROLL COMMAND | | HEEA0013732 |
| | ROLL COMMAND | BAR STICKS IN CENTE | ER POSITION. | | | | | | |
| 3421 | 142PH | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 33150 | 412 | | | | 222375033103 | COCKPIT | | HEEA0013750 |
| | ATTITUDE INDICA | ATOR EXCESSIVE ROL | L IN PITCH ERECTIO | N RATES. | | | | | |
| 3421 | 7128R | BELL | | | | INDICATOR | FAILED | | 4/2/98 |
| HEEA | 36007 | 412 | | | | 1113034 | ROLL AXIS | | HEEA0013733 |
| | INDICATOR CHAT | TER IN ROLL AXIS. | | | | | | | |
| 3424 | 3911L | BELL | | | | GYRO | FAILED | | 4/2/98 |
| HEEA | 33023 | 412 | | | | 214075244001 | COCKPIT | | HEEA0013691 |
| | TURN NEEDLE DO | DESN'T WORK. RATE G | YRO FAILED | | | | | | |
| 3424 | 7128R | BELL | | | | RATE GYRO | FAILED | | 4/2/98 |
| HEEA | 36007 | 412 | | | | 214075244001 | COCKPIT | | HEEA0013822 |
| | RATE TURN INDIC | CATOR NO TURN NEEL | DLE MOVEMENT. | | | | | | |
| 2350 | 911SV | BOLKMS | | | | AUDIO PANEL | DEFECTIVE | | 1/29/98 |
| RMXA | 2033 | BO105LSA3 | | | | AA95726 | COCKPIT | | 98ZZZX1512 |
| | AUDIO PANEL SEI | LECT KNOB INOPERAT | IVE. REMOVED AND | REPLACED. | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO | | |
|-------------|--|-------------------------|----------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|--|--|
| 2562 | 54191 | BOLKMS | | | NARCO | ELT | FAILED | | 4/2/98 | | |
| HEEA | S804 | BO105S | | | | ELT910 | COCKPIT | | HEEA0013741 | | |
| | INADVERTENT AC | CTIVATION FOR UNKN | OWN PERIODS OF TI | ME. | | | | | | | |
| 2562 | 54191 | BOLKMS | | | | SWITCH | DEFECTIVE | | 4/2/98 | | |
| HEEA | S804 | BO105S | | | | 569880101 | ELT | | HEEA0013712 | | |
| | SWITCH CAUSES I | ELT TO GO OFF ALL TH | IE TIME. | | | | | | | | |
| 3421 | 105NG | BOLKMS | | | | GYRO | FAILED | | 2/7/98 | | |
| RMXA | S632 | BO105S | | | | 5040017901 | COCKPIT | | 98ZZZX1506 | | |
| | ATTITUDE GYRO | FAILED ON OPS CHECK | K. SPINS LIKE A TOP. | REMOVED AND RE | PLACED. | | | | | | |
| 3457 | 81982 | BOLKMS | | | | GPS | DEFECTIVE | | 4/3/98 | | |
| HEEA | S818 | BO105S | | | GPS150 | 0110005400 | COCKPIT | | HEEA0013837 | | |
| | DUE 2 YEAR INSPI | ECTION. PERFORMED | PRELIMINARY INSPE | CTION AND FOUND | GPS HAS SEVERAL | BUTTONS TO BE UNREAD | DABLE AND ALSO BACKUP | BATTERY I | S DEAD. | | |
| 3457 | 81832 | BOLKMS | | | | ANTENNA | FAILED | | 4/2/98 | | |
| HEEA | S828 | BO105S | | | | 1624811 | GPS | | HEEA0013834 | | |
| | GPS INDICATES A | NTENNA FAILED AND | SHOWS 1.0 VOLTS. | | | | | | | | |
| 2210 | 7040U | BOLKMS | | | | AUTOPILOT | FAILED | | 3/26/98 | | |
| HEEA | 7180 | BK117B1 | | | PC700 | 7000299908 | COCKPIT | | HEEA0013629 | | |
| | API WORKS INTERMITTENTLY, SAS/ATT DOES NOT WORK. | | | | | | | | | | |
| 2210 | 134AE | BOLKMS | | | | TRANSDUCER | MALFUNCTION | | 4/2/98 | | |
| HEEA | 7237 | BK117B2 | | | | 11788810 | CSAS | | HEEA0013827 | | |
| | TRANSDUCER CA | USES ERRATIC READIN | IGS. | | | | | | | | |
| 2211 | 214AE | BOLKMS | | | | COMPUTER | FAILED | | 2/14/98 | | |
| RMXA | 7206 | BK117B1 | | | | 7004206901 | CSAS | | 98ZZZX1508 | | |
| | CSAS COMPUTER | PITCH AND ROLL LIGH | IT STAYS ON. REMO | VED AND REPLACEI | Э. | | | | | | |
| 2312 | 217MC | BOLKMS | | | | TRANSCEIVER | DEFECTIVE | | 2/26/98 | | |
| RMXA | 7195 | BK117B1 | | | RT138F | 40001452500 | COCKPIT | | 98ZZZX1505 | | |
| | TRANSCEIVER PL | TONE MODULATION IS | S INDICATING 1.8 HK | Z TO 2.1 KHZ. CHEC | KED SPECS - SHOUI | LD BE AROUND .75 TO .8 K | HZ. REMOVED AND REPLA | CED. | | | |
| 3421 | 214AE | BOLKMS | | | | ARTIFICAL HORIZ | MALFUNCTIONED | | 2/13/98 | | |
| RMXA | 7206 | BK117B1 | | | | 4021541671 | COCKPIT | | 98ZZZX1507 | | |
| | ARTIFICAL HORIZ | ON PITCH AND ROLL O | CSAS WILL NOT ENG | AGE. REMOVED AN | D REPLACED. | | | | | | |
| 2211 | 117NC | BOLKMS | | | | COMPUTER | FAILED | | 2/6/98 | | |
| RMXA | 7509 | BK117C1 | | | 88030204 | 7004206901 | CSAS | | 98ZZZX1509 | | |
| | CSAS COMPUTER | PITCH LIGHT ILLUMIN | ATED INTERMITTEN | TLY IN-FLIGHT. RE | MOVED AND REPLA | ACED. | | | | | |
| 2211 | 117NC | BOLKMS | | | | COMPUTER | FAILED | | 1/30/98 | | |
| RMXA | 7509 | BK117C1 | | | | 7004206901 | COCKPIT | | 98ZZZX1513 | | |
| | CSAS COMPUTER | INTERMITTENT. ROLL | AND PITCH CHANN | ELS BOTH DROP OF | F-LINE AND CANNO | T BE RESET OR JUST WILI | NOT COME ON-LINE. REM | IOVED ANI | REPLACED. | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|---|---|--|--|---|---|---|------------------------|------------------------------------|
| 2210 | 118ET | CESSNA | | | | AUTOPILOT | MALFUNCTIONED | 262 | 2/19/98 |
| HX1R | 17280019 | 172R | | | | KAP140 | COCKPIT | | 98ZZZX1477 |
| | RANDOMLY. AFT IT WAS NOTED TO BEEN TO TURN OF | TER SEVERAL MINUTES HE AUTOPILOT CIRCUI FF THE AVIONIC MAST | S, THE UNIT SHUT ITS T BREAKER WAS NO ER; THUS, LOSING A | SELF OFF. ACFT LAN T THE PULL OFF TYP LL NAVIGATION AN | IDED WITHOUT INC PE. THE ONLY WAY D COMMUNICATION | IDENT. THE AUTOPILOT I THE POWER TO THE AUTO | TTON. THE INDICATOR LIG BOX WAS REMOVED AND F OPILOT COULD HAVE BEEN R INVEST, REVEALED THE RFRAME MFG. | RETURNED N TURNED (| TO MANUFACTURER. OFF WOULD HAVE |
| 3160 | 901CF | DOUG | | | | DISPLAY | FAILED | 344 | 3/10/98 |
| R7MA | 90000012 | MD900 | | | | 900A3720002107 | COCKPIT | | 98ZZZX1502 |
| | DISPLAY SYSTEM PROBLEM. | I UNIT INOPERATIVE. 1 | LOWER HALF OF DIS | PLAY IS DIMMER (AI | PPROXIMATELY BY | HALF) THAN THE UPPER I | HALF. REPLACED WITH RE | EPAIRED UN | NIT. CORRECTED |
| 2210 | 1547D | SKRSKY | | | | MAGNETIC BRAKE | FAILED | | 4/2/98 |
| HEEA | 760077 | S76A | | | | 7690001812102 | AUTOFLIGHT | | HEEA0013749 |
| | LATERAL FORCE | TRIM INOPERATIVE. | | | | | | | |
| 2562 | 1547D | SKRSKY | | | NARCO | ELT | MALFUNCTION | | 4/2/98 |
| HEEA | 760077 | S76A | | | | ELT910 | COCKPIT | | HEEA0013740 |
| | ELT TRANSMITS I | INTERMITTENTLY WHI | EN OFF ON ARM. | | | | | | |
| 3120 | 4253S | SKRSKY | | | | DIGITAL CLOCK | FAILED | | 4/3/98 |
| HEEA | 760035 | S76A | | | | 811B | COCKPIT | | HEEA0013839 |
| | CLOCK WILL NOT | T KEEP CORRECT TIME | | | | | | | |
| 3414 | 1546G | SKRSKY | | | | AIRSPEED IND | CRACKED | | 4/2/98 |
| HEEA | 760076 | S76A | | | | 8502CS20LW | COCKPIT | | HEEA0013746 |
| | AIRSPEED INDICA | ATOR INLET POTS CRA | CKED. | | | | | | |
| 3416 | 5426U | SKRSKY | | | | INDICATOR | LEAKAGE | | 4/3/98 |
| HEEA | 760167 | S76A | | | | 212070238007 | COCKPIT | | HEEA0013844 |
| | ALTIMETER EXCE | ESSIVE CASE LEAKAGE | E. | | | | | | |
| 3416 | 5426U | SKRSKY | | | | INDICATOR | FAILED | | 4/3/98 |
| HEEA | 760167 | S76A | | | | 212070238003 | COCKPIT | | HEEA0013846 |
| | INDICATOR IS OU | T OF TOLERANCE AT 1 | 18,000 FEET. FAILED | BEFORE AND AFTER | TEST. | | | | |
| 3421 | 22342 | SKRSKY | | | | GYRO | FAILED | | 4/2/98 |
| HEEA | 760096 | S76A | | | | 501145301 | COCKPIT | | HEEA0013705 |
| | VERT GYRO WILL | NOT SPOOL UP. | | | | | | | |
| 3421 | 5426U | SKRSKY | | | | VERTICAL GYRO | MALFUNCTION | | 4/2/98 |
| HEEA | 760167 | S76A | | | | 7660002113103 | NR 1 PITCH | | HEEA0013772 |
| | NR 1 PITCH KICKS | S IN LEVEL FLIGHT. | | | | | | | |
| 3421 | 911MJ | SKRSKY | | | | VERTICAL GYRO | FAILED | | 4/2/98 |
| HEEA | 760231 | S76A | | | | 7660002113103 | COCKPIT | | HEEA0013745 |
| | STARTED TUMBL | ING IN FLIGHT. | | | | | | | |

| DOMESTI | C SERVICE DIFFI | CULTY REPORT S | UMMARY - COM | PONENTS (cont | <u>d)</u> | | 4/12/98 To 4/18/98 | ISSUE: 98-16 ZAC-327 |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|-----------------------------|--------------------------------|
| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND T PART LOC. TS | T DIFF. DATE O OPER CONT NO |
| 3423 | 31217 | SKRSKY | | | | COMPASS | DEFECTIVE | 4/2/98 |
| HEEA | 760229 | S76A | | | | CB212528A | COCKPIT | HEEA0013683 |
| | COMPASS FLUID LE | EVEL IS LOW. | | | | | | |
| 3444 | 1546G | SKRSKY | | | | TRANSCEIVER | FAILED | 4/2/98 |
| HEEA | 760076 | S76A | | | | 7001840913 | RADAR ALT | HEEA0013742 |
| | FAILED TEST 1.1 (N | OT VALID) | | | | | | |
| 3452 | 22342 | SKRSKY | | | | TRANSPONDER | FAILED | 4/2/98 |
| HEEA | 760096 | S76A | | | | 066107100 | COCKPIT | HEEA0013710 |
| | TRANSPONDER INC | PERATIVE ALSO CAP | ACITY C507 IS BAD. | | | | | |

DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS

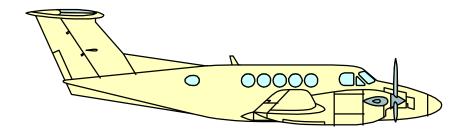
4/12/98 - 4/18/98 ISSUE: 98-16 ZAC-327

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|--|---------------------|-----------------------|----------------------|--------------------------|------------------------|-------------|----------------------------|
| 6111 | 9244B | AMTRWG | | SNSNCH | | BLADE | SEPARATED | | 3/23/98 |
| | 2 | WAGARO | | 76EM8S5 | | | PROPELLER | | 98ZZZX1487 |
| | | 40 INCHES OF PROPEL NO APPARENT CAUSE | | FINITE 'SHADOW' O | F DIFFERENT COLO | R IN METAL IN CROSS-SE | CTION OF CHORD. 'SHA | DOW' OCCUPI | ED ONE-THIRD OF |

(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS)



INTERNATIONAL SERVICE DIFFICULTY REPORT



| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------------|--|---------------------|-----------------------|----------------------|---|----------------------------|------------|----------------------------|
| 2720 | | AIRTRC | | | | SPRING | BROKEN | | 3/18/98 |
| | | AT502 | | | | 701031 | RUDDER CONTROL | | AU980320 |
| | | AAILERON INTERCONS OUND THAT THE CRA | | | | APPROXIMATELY 10MM (| (0.393 INCH) FROM THE ATTA | ACHMENT | POINT. |
| 3243 | | AIRTRC | | | | CLEVIS | FAILED | | 3/12/98 |
| | | AT802 | | | | 400021 | LT BRAKE CYL | | AU980276 |
| | (AUS) LT BRAKE N | MASTER CYLINDER CL | EVIS BOLT FAILED. | | | | | | |
| 5711 | | AYRES | | | | PLATE | CRACKED | | 3/4/98 |
| | | S2RT15NORMAL | | | | | WING SPAR STRUCT | | AU980252 |
| | (AUS) WING SPAR | TOP PLATE CRACKED | | | | | | | |
| 3260 | | BEECH | | | | SWITCH | FAILED | | 2/20/97 |
| | | A100 | | | | 1CH25 | DOWN LOCK | | CA970226062 |
| | | | | | | , NO GO. FLY-BY CONFIR I A FEW DAYS EARLIER. | MED GEAR DOWN. AIRCRAF | T LANDED | OK. NOSE DOWN |
| 3260 | | BEECH | | | | SWITCH | OUT OF ADJUST | | 2/17/97 |
| | | A100 | | | | 1CH25 | NLG | | CA970226059 |
| | (CAN) WHEN GEA ADJUSTMENT. | R SELECTED DOWN, N | OSE GEAR DID NOT S | SHOW GREEN. EMER | RGENCY PROCEDUI | RES GOT GREEN. AIRCRA | FT LANDED OK. FOUND NO | SE GEAR S | WITCH REQUIRED |
| 5312 | | BEECH | | | | BULKHEAD | CORRODED | 10608 | 11/24/97 |
| | | 100BEECH | | | | 9774400191 | AFT PRESS | | CA971219015 |
| | ' | JED ON INSULATION WATION. AIRCRAFT TT: | | AR SIDE OF AFT PRE | SSURE BULKHEAD | BELOW OUTFLOW VALV | ES, CORROSION WAS FOUNI | D. SUSPECT | Γ MOISTURE TRAPPED |
| 5610 | | BEECH | | | | WINDSHIELD | CRACKED | 2826 | 2/19/97 |
| | | A100 | | | | 9031001P | PILOT | | CA970226061 |
| | (CAN) WINDSHIEL | LD CRACKED DURING | CRUISE. PART TT: 1 | 7,086 HOURS. | | | | | |
| 5740 | | BEECH | | | | WING BOLT | CRACKED | 24 | 12/24/97 |
| | | B100 | | | | 8178414 | SHANK | | CA980113007 |
| | (CAN) WHILE PER | FORMING AD CF-81-25 | R5, A CRACK WAS D | ETECTED. THE RIGH | T HAND LOWER FO | DRWARD BOLT WAS FOUN | ND CRACKED AT THE SHANK | ζ. | |
| 2121 | | BEECH | | | | BLOWER FAN | FAILED | 3102 | 4/28/97 |
| | | 200BEECH | | | 10138444761 | 10138444761 | INTERNAL | | CA970508012 |
| | | EW REPORTED INADE(OUND THE BRUSHES O | | | | EN SHUT DOWN DUE TO L | ACK OF AIRFLOW OVER TH | E EVAPORA | ATOR COIL. |
| 2435 | | BEECH | | | | STARTER/GEN | FAILED | | 3/9/98 |
| | | 200BEECH | | | | 23048016 | RT ENG | | AU980236 |
| | (AUS) RT STARTE | R/GENERATOR FAILED |). | | | | | | |
| 2460 | | BEECH | | | | PANEL | SHORTED | | 1/20/98 |
| | | B200C | | | | | DC POWER DISTRIB | | AU980285 |
| | (ALIC) CIDCLIT DD | EAKED (CR) DANEL BI | IS EEEDER SHORT CI | PCHITING TO AIRER | AME ADIACENT TO | CRS SHOPT CIPCUIT OF | CCURRED DUE TO WATER L | EAKAGE EI | OM WINDOW |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|------------------------------|--|---------------------|-----------------------|----------------------|---|------------------------|------------|----------------------------|
| 2612 | | BEECH | | | | FIRE DETECTOR | FAULTY | | 2/19/98 |
| | | 200BEECH | | | | | FIRE DETECTION | | AU980284 |
| | () | FIRE DETECTION SYS' FIRE BOTTLE OPERA | | TIGATION COULD F | IND NO FAULTS WI | TH THE SYSTEM. SUSPECT | MOISTURE CONTAMINAT | TION OF DE | TECTORS. LT ENGINE |
| 2612 | | BEECH | | | | DETECTOR | CONTAMINATED | | 2/15/98 |
| | | B200C | | | | | FIRE DETECTION | | AU980246 |
| | (AUS) LT ENGINE I | FIRE DETECTORS CON | NTAMINATED WITH N | OISTURE. FALSE FI | RE WARNING RESU | LTED IN ENGINE SHUTDO | WN AND FIRE BOTTLE DIS | CHARGE. | |
| 2730 | | BEECH | | | | TORQUE TUBE | CORRODED | | 2/13/98 |
| | | 200BEECH | | | | 1016100196 | RT ELEV | | AU980251 |
| | (AUS) RT ELEVATO | OR TORQUE TUBE CO | NTAINED CORROSIO | N AND DEEP PITTING | G IN THE AREA ADJ | ACENT TO THE RIB ATTAC | HMENT BRACKET. | | |
| 2752 | | BEECH | | | | ACTUATOR | INCORRECT ASSY | | 1/30/98 |
| | | 200BEECH | | | | 101521016 | TE FLAP | | AU980226 |
| | , | | | | | FROM AN OUTBOARD ACT M OVERHAUL IN THE USA | | | , |
| 2915 | | BEECH | PWA | | | VALVE | FAILED | 3115 | 1/31/97 |
| | | 200BEECH | PT6A41 | | MS28893C6 | MS28893C6 | HYD PRESS RELIEF | | CA970523002 |
| | (- ') | | | | | ULIC PUMP BREAKER PUL SI, RATING SHOULD ALLO | | | |
| 3230 | | BEECH | | | | MOTOR | WORN | 3815 | 4/28/97 |
| | | 200BEECH | | | 1153800025 | 1153800025 | GEAR | | CA970508013 |
| | (CAN) MAINTENA | NCE FOUND THE MOT | OR TO BE LABORING | WHILE TRYING TO | BUILD UP PRESSUR | E. FOUND THE BRUSHES | TO BE WORN. | | |
| 3230 | | BEECH | | | ITT | PRESSURE SWITCH | FAILED | 1618 | 1/9/97 |
| | | 200BEECH | | | 1225P363 | 1225P363 | NLG | | CA970523001 |
| | (CAN) NOSE GEAR ON JACKS. | DOWNLOCK BROKE | WHEN UNDERCARRL | AGE SELECTED UP. 1 | MAINTENANCE LAT | TER TRACED THE FAULT T | O A FAULTY PRESSURE SV | VITCH DURI | NG GEAR CYCLING |
| 3233 | | BEECH | PWA | | | PISTON ROD | LEAKING | 3967 | 3/31/98 |
| | | 200BEECH | PT6A41 | | ADI79990033 | ADI79990035 | MLG ACTUATOR | | CA971104007 |
| | ` ' | OING GEAR ACTUATOR RING CAUSING THE | | | | OUSING. DISASSEMBLY C | F THE ACTUATOR REVEA | LED CORRO | SION ON ROD |
| 3234 | | BEECH | PWA | | | SELECTOR VALVE | FAILED | 84 | 3/11/97 |
| | | 200BEECH | PT6A41 | | | 25400 | MLG | | CA970523004 |
| | | | | | | . WITH AIRCRAFT ON JACI DING INTO THE VALVE BU | | | |
| 3260 | | BEECH | | | | SWITCH | FAILED | 6536 | 5/21/97 |
| | | 200BEECH | | | | 1003810061 | RT MLG UPLOCK | | CA970527006 |
| | (-) | ORTED THE LANDING CK FOUND HIGH RESI | | | HE UP POSITION. IN | NVESTIGATION FOUND A I | DEFECTIVE RIGHT LANDIN | IG GEAR UP | LOCK SWITCH. A |

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|-------------|----------------------|---|---------------------|-----------------------|----------------------|--|--|------------|----------------------------|
| 3260 | | BEECH | | | | SQUAT SWITCH | INTERMITTENT | 6192 | 1/30/97 |
| | | 200BEECH | | | 44EN496 | 44EN496 | RT MLG | | CA970508011 |
| | | ERVED THE ANTI-RETE SWITCH REPLACED. | RACTION HOOK ON T | THE GEAR HANDLE V | WOULD NOT RETRA | CT AFTER TAKEOFF. INS | PECTION FOUND THE RIGHT | Γ HAND SQ | UAT SWITCH |
| 3320 | | BEECH | | | | POWER SUPPLY | SHORTED | | 3/4/98 |
| | | 200BEECH | | | | PWFLC28 | PASSENGER COMPT | | AU980245 |
| | (AUS) FLUORESCI | ENT LIGHTING POWER | SUPPLY SHORT CIRC | CUITED. | | | | | |
| 5730 | | BEECH | | | | SKIN | DEBONDED | | 2/25/98 |
| | | B200C | | | | | LT WING | | AU980248 |
| | (AUS) LT WING CI | ENTER SECTION LOWE | R SKIN DEBONDED. | | | | | | |
| 5743 | | BEECH | | | | WEB | CORRODED | | 2/17/98 |
| | | B200C | | | | 1011201101 | LT MLG BRACE | | AU980247 |
| | (AUS) LT LANDIN | G GEAR DRAG BRACE | OUTBOARD ATTACH | IMENT WEB CORRO | DED. | | | | |
| 5510 | | BEECH | | | | BOLT | DAMAGE | 2033 | 9/20/97 |
| | | A23 | | | | AN447 | STAB ACT TUBE | | CA971020006 |
| | | | | | | OTHE ATTACHMENT BOL AIRCRAFT TT: 2,033 HOUR | T WAS FOUND. DAMAGE AI .S. | PPEARED T | O BE CAUSED BY |
| 3340 | | BEECH | | | | SWITCH | BROKEN | 3482 | 11/14/97 |
| | | F33A | | | | 3538013243 | LANDING LIGHT | | CA971219023 |
| | ' | | | | | UIT BREAKER SWITCH FO GH USAGE MAY BE CAUSI | OUND FUSED IN THE ON POS E OF DIFFICULTY. | SITION ANI | O VERY WARM TO |
| 2810 | | BEECH | | | | FUEL CELL | DETERIORATED | | 2/23/98 |
| | | D55 | | | | 21219 | FUEL STORAGE | | AU980238 |
| | (AUS) LT FUEL CE | LL DETERIORATED. D | RAIN FITTING TORN | . INTERNAL BAFFLI | E LOOSE. | | | | |
| 3230 | | BEECH | | | | RELAY | FAULTY | | 3/11/98 |
| | | D55 | | | | 6046H39A | GEAR RETRACT | 1650 | AU980304 |
| | (AUS) LANDING G | EAR RELAY FAULTY. | SUSPECT CAUSED B | Y INGRESS OF FORE | IGN MATTER. | | | | |
| 5511 | | BEECH | | | | DOUBLER | CRACKED | | 3/4/98 |
| | | 58 | | | | | HORIZ STABILIZER | | AU980300 |
| | (AUS) LT TAILPLA | NE INBOARD RIB/REA | R SPAR JOINT DOUBI | LER CRACKED. | | | | | |
| 5521 | | BEECH | | MCAULY | | SPAR | CRACKED | | 3/4/98 |
| | | 58 | | | | | ELEVATOR | | AU980299 |
| | | SPAR CRACKED ACRO | | | INGE ATTACHMENT | C. CRACK ORIGINATED A | T THE HINGE ATTACHMENT | BOLT HO | LE AND PROPAGATED |
| 3233 | | BEECH | | | | ACTUATOR | BROKEN | | 3/23/98 |
| | | 76 | | | 76 | 1053840023 | LT MLG | | AU980330 |
| | (AUS) LT MAIN LA | NDING GEAR ACTUAT | OR ROD BROKEN AT | THE END OF THE T | HREADED SECTION | • | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|------------------------------|--|---|--|-----------------------|----------------------|--|--|-----------------------------|---|
| 2520 | | BEECH | | | BEECH | RIVNUT | LOOSE | | 3/26/98 |
| | | 65A90 | | | 5053448627 | NAS1329C4K80 | SEAT FRAME | | CA971024004 |
| | (CAN) DURING RO | OUNTINE INSPECTION A | AND IN A CCW CAM | PAIGN NOTICE 651-00 | 6, INSPECTION OF 0 | CABIN SEAT FOUND LOOS | E RIVNUTS. SEAT REPAIRE | D. | |
| 3246 | | BEECH | PWA | | | WHEEL HALF | CRACKED | | 4/10/97 |
| | | C90 | PT6A20A | | | 50300010105 | LT MLG | | CA970430003 |
| | ` / | | | | | | HE TUBELESS TIRE PREVEN US OWNER CHANGED THE V | | |
| 3340 | | BEECH | PWA | | | CONNECTORS | BURNT | | 11/6/97 |
| | | 65A90 | PT6A20 | | | 32448 | LT LANDING LIGHT | | CA971117004 |
| | (CAN) IN COMPLY | YING WITH AIRCRAFT S | SERVICES MEMO EW | S 97-04, FOUND ONE | OVERHEATED KNIF | FE CONNECTOR. AFFECTE | ED AREA REPLACED WITH F | RELEASABL | LE WIRE SPLICE. |
| 340 | | BEECH | PWA | | | WIRE SPLICE | BURNT | | 10/27/97 |
| | | 65A90 | PT6A20 | | | | LANDING LIGHT | | CA971028011 |
| | , , | AL WIRING REAR OF LT AYCHEM ENVIROMENT | | | | | FE CONNECTORS WERE FOU | JND INSTAI | LLED. THESE WERE |
| 602 | | BEECH | CONT | | | CABLE | SEPARATED | 13 | 11/18/97 |
| | | 95B55 | IO470L | | | 5038901021 | MIXTURE | | CA971216043 |
| | , , | | | | | | D FAILED AT THE SWAGE C FACTURER FOR EVALUATION | | INE END OF THE |
| 2740 | | BEECH | | | | RELAY | FAILED | | 2/10/07 |
| | | | | | | KEL/11 | TAILLD | | 2/19/97 |
| | | 99 | | | | 6041H220 | STAB MAIN TRIM | | 2/19/97 CA970226060 |
| | (CAN) MAIN TRIM | | AIRCRAFT LANDED | OK. FOUND MAIN TR | IM RELAY HAD FAI | 6041H220 | | | |
| 720 | (CAN) MAIN TRIM | 99 | AIRCRAFT LANDED | OK. FOUND MAIN TR | IM RELAY HAD FAI | 6041H220 | | 30227 | |
| 5720 | (CAN) MAIN TRIM | 99 I NOT FUNCTIONING. <i>A</i> | AIRCRAFT LANDED | OK. FOUND MAIN TR | IM RELAY HAD FAI | 6041H220 LED. | STAB MAIN TRIM | 30227 | CA970226060 |
| 720 | (CAN) DURING RE | 99 I NOT FUNCTIONING. A BEECH 99 | | | | 6041H220 LED. FITTING 501200743 | STAB MAIN TRIM CRACKED | | CA970226060 2/15/97 CA970227005 |
| | (CAN) DURING RE | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT | | | | 6041H220 LED. FITTING 501200743 | STAB MAIN TRIM CRACKED UPPER INBOARD | | CA970226060 2/15/97 CA970227005 |
| | (CAN) DURING RE | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT TT: 30,367 HOURS. | | | | 6041H220 LED. FITTING 501200743 ER INSPECTION FOUND A | STAB MAIN TRIM CRACKED UPPER INBOARD CRACK EXTENDING FROM | | CA970226060 2/15/97 CA970227005 HOLE COUNTER |
| | (CAN) DURING RE BORE. AIRCRAFT | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT TT: 30,367 HOURS. BNORM | COVER, VISUAL INI | DICATION SHOWED A | | 6041H220 LED. FITTING 501200743 ER INSPECTION FOUND A | STAB MAIN TRIM CRACKED UPPER INBOARD CRACK EXTENDING FROM BROKEN | | 2/15/97 CA970227005 HOLE COUNTER |
| 2750 | (CAN) DURING RE BORE. AIRCRAFT | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT TT: 30,367 HOURS. BNORM BN2A21 | COVER, VISUAL INI | DICATION SHOWED A | | 6041H220 LED. FITTING 501200743 ER INSPECTION FOUND A | STAB MAIN TRIM CRACKED UPPER INBOARD CRACK EXTENDING FROM BROKEN | | 2/15/97 CA970227005 HOLE COUNTER |
| 2750 | (CAN) DURING RE BORE. AIRCRAFT | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT TT: 30,367 HOURS. BNORM BN2A21 ATION SWITCH BROKE | COVER, VISUAL INI | DICATION SHOWED A | | 6041H220 LED. FITTING 501200743 ER INSPECTION FOUND A SWITCH 8834K5 | STAB MAIN TRIM CRACKED UPPER INBOARD CRACK EXTENDING FROM BROKEN TE FLAP CONTROL | THE BOLT | 2/15/97 CA970227005 HOLE COUNTER 3/2/98 AU980243 |
| 750 | (CAN) DURING RE BORE. AIRCRAFT (AUS) FLAP ACTU (CAN) DURING CH | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT TT: 30,367 HOURS. BNORM BN2A21 ATION SWITCH BROKE CESSNA 152 | COVER, VISUAL INI E APART DURING AC | DICATION SHOWED A | SCRATCH. FURTH | 6041H220 LED. FITTING 501200743 ER INSPECTION FOUND A SWITCH 8834K5 COUPLING C3010010211 | STAB MAIN TRIM CRACKED UPPER INBOARD CRACK EXTENDING FROM BROKEN TE FLAP CONTROL DAMAGE | THE BOLT 11523 | 2/15/97 CA970227005 HOLE COUNTER 3/2/98 AU980243 11/10/97 CA971117010 |
| 750 | (CAN) DURING RE BORE. AIRCRAFT (AUS) FLAP ACTU (CAN) DURING CH | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT TT: 30,367 HOURS. BNORM BN2A21 ATION SWITCH BROKE CESSNA 152 HECK, FOUND THAT AL | COVER, VISUAL INI E APART DURING AC | DICATION SHOWED A | SCRATCH. FURTH | 6041H220 LED. FITTING 501200743 ER INSPECTION FOUND A SWITCH 8834K5 COUPLING C3010010211 | STAB MAIN TRIM CRACKED UPPER INBOARD CRACK EXTENDING FROM BROKEN TE FLAP CONTROL DAMAGE FLAP | THE BOLT 11523 | 2/15/97 CA970227005 HOLE COUNTER 3/2/98 AU980243 11/10/97 CA971117010 |
| 2750 | (CAN) DURING RE BORE. AIRCRAFT (AUS) FLAP ACTU (CAN) DURING CH | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT TT: 30,367 HOURS. BNORM BN2A21 ATION SWITCH BROKE CESSNA 152 HECK, FOUND THAT AL IE COUPLING ON FLAP | COVER, VISUAL INI E APART DURING AC | DICATION SHOWED A | SCRATCH. FURTH | 6041H220 LED. FITTING 501200743 ER INSPECTION FOUND A SWITCH 8834K5 COUPLING C3010010211 DID NOT APPEAR TO BE RE | STAB MAIN TRIM CRACKED UPPER INBOARD CRACK EXTENDING FROM BROKEN TE FLAP CONTROL DAMAGE FLAP ESPONDING QUICKLY. INVE | THE BOLT 11523 | 2/15/97 CA970227005 HOLE COUNTER 3/2/98 AU980243 11/10/97 CA971117010 N REVEALED |
| 2750 2750 | (CAN) DURING REBORE. AIRCRAFT (AUS) FLAP ACTU (CAN) DURING CEDEFECTIVE SPLIN | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT TT: 30,367 HOURS. BNORM BN2A21 FATION SWITCH BROKE CESSNA 152 HECK, FOUND THAT AL RE COUPLING ON FLAP CESSNA A152 | COVER, VISUAL INI E APART DURING AC THOUGH FLAP MOT MOTOR SHAFT. | DICATION SHOWED A | ORMALLY, FLAPS D | 6041H220 LED. FITTING 501200743 ER INSPECTION FOUND A SWITCH 8834K5 COUPLING C3010010211 DID NOT APPEAR TO BE RE PLATE 042240714 | STAB MAIN TRIM CRACKED UPPER INBOARD CRACK EXTENDING FROM BROKEN TE FLAP CONTROL DAMAGE FLAP ESPONDING QUICKLY. INVE | THE BOLT 11523 ESTIGATION | 2/15/97 CA970227005 HOLE COUNTER 3/2/98 AU980243 11/10/97 CA971117010 N REVEALED 3/17/98 |
| 5720 2750 2750 5711 | (CAN) DURING REBORE. AIRCRAFT (AUS) FLAP ACTU (CAN) DURING CEDEFECTIVE SPLIN | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT TT: 30,367 HOURS. BNORM BN2A21 FATION SWITCH BROKE CESSNA 152 HECK, FOUND THAT AL RE COUPLING ON FLAP CESSNA A152 | COVER, VISUAL INI E APART DURING AC THOUGH FLAP MOT MOTOR SHAFT. | DICATION SHOWED A | ORMALLY, FLAPS D | 6041H220 LED. FITTING 501200743 ER INSPECTION FOUND A SWITCH 8834K5 COUPLING C3010010211 DID NOT APPEAR TO BE RE PLATE 042240714 | CRACKED UPPER INBOARD CRACK EXTENDING FROM BROKEN TE FLAP CONTROL DAMAGE FLAP ESPONDING QUICKLY. INVE | THE BOLT 11523 ESTIGATION | 2/15/97 CA970227005 HOLE COUNTER 3/2/98 AU980243 11/10/97 CA971117010 N REVEALED 3/17/98 |
| 2750 2750 5711 | (CAN) DURING REBORE. AIRCRAFT (AUS) FLAP ACTU (CAN) DURING CEDEFECTIVE SPLIN | 99 I NOT FUNCTIONING. A BEECH 99 EPAIR FOR WING BOLT TT: 30,367 HOURS. BNORM BN2A21 EATION SWITCH BROKE CESSNA 152 HECK, FOUND THAT AL IE COUPLING ON FLAP CESSNA A152 E PLATE CONTAINED EX | COVER, VISUAL INI E APART DURING AC THOUGH FLAP MOT MOTOR SHAFT. | DICATION SHOWED A | ORMALLY, FLAPS D | 6041H220 LED. FITTING 501200743 ER INSPECTION FOUND A SWITCH 8834K5 COUPLING C3010010211 DID NOT APPEAR TO BE RE PLATE 042240714 R PLATE. LENGTH OF CO | STAB MAIN TRIM CRACKED UPPER INBOARD CRACK EXTENDING FROM BROKEN TE FLAP CONTROL DAMAGE FLAP ESPONDING QUICKLY. INVE CORRODED WING SPAR BRROSION 35MM (1.37 INCH) | THE BOLT 11523 ESTIGATION | 2/15/97 CA970227005 HOLE COUNTER 3/2/98 AU980243 11/10/97 CA971117010 N REVEALED 3/17/98 AU980332 |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|-------------------------------|---|-------------------------------------|---|---------------------------------------|--|---|-----------|----------------------------|
| 3233 | | CESSNA | | | | HOUSING | CRACKED | | 3/5/98 |
| | | 172RG | | | | 9882015 | MLG ACTUATOR | | AU980240 |
| | (AUS) MAIN LANI | DING GEAR ACTUATOR | HOUSING CRACKEI |). | | | | | |
| 5312 | | CESSNA | | MCAULY | | BULKHEAD | CRACKED | | 2/9/98 |
| | | 172P | | | 05121872 | 05121871 | DOOR POSTS | | AU980301 |
| | (AUS) FUSELAGE | AFT DOOR POSTS P/N (| 0512187-1 (LT) AND P | /N 0512187-2 (RT) CRA | ACKED. FOUND DU | RING INSPECTION IAW C | ESSNA SB SEB 97-1. | | |
| 5312 | | CESSNA | | | | BULKHEAD | CRACKED | | 2/6/98 |
| | | 172P | | | 05121872 | 05121871 | DOOR POSTS | | AU980302 |
| | (AUS) FUSELAGE | LOWER AFT DOOR POS | ST BULKHEADS P/N (| 0512187-1 AND P/N 05 | 12187-2 CRACKED. | FOUND DURING INSPECT | ION IAW CESSNA SB SEB97 | -1. | |
| 5712 | | CESSNA | | | | RIB ASSEMBLY | CRACKED | 1638 | 9/3/97 |
| | | A188B | | | 162100917 | 162100917 | WS20.62 | | CA970915006 |
| | , | | , | | | STATION 20.62. THE CRA NT. AIRCRAFT TT: 1,558 H | CK IS APPROXIMATELY .75 IOURS. | INCH LONG | G STARTING FROM |
| 5712 | | CESSNA | | | | RIB ASSEMBLY | CRACKED | 1887 | 9/4/97 |
| | | A188B | | | | 16214018 | BS 36.12 | | CA970915005 |
| | | | | | | | TATION 36.12. THREE CRAC ITENING HOLES. AIRCRAF | | |
| 3246 | | CESSNA | | | WIPAIR | DRAG LINK | STIFF | | 2/18/97 |
| | | TU206G | | | 3730 | 3A0505901 | MLG | | CA970227003 |
| | , | JLD NOT LOCK DOWN, I DISASSEMBLING AND (| | | STIFF. BOLT REM | OVED AND HOLE CLEANE | D. LUBED AREA AND REAS | SEMBLED. | WIPAIRE |
| 5320 | | CESSNA | | | CESSNA | DOOR POST | CRACKED | 3964 | 10/16/97 |
| | | U206C | | | U206 | 121340615 | WINDSHIELD | | CA971024013 |
| | REMOVING LOWI BETWEEN LOWE | ER RETAINER REVEALI | NG FORWARD DOOF ND VERTICAL OUTF | R POSTCHANNEL WA ER RETAINER P/N 071 | S CRACKED THREI 3611-3. RIGIDITY (| E INCHES. AT CRACK LOC OF UPPER CABIN BOX IS L | G WATER LANDINGS. MAIN ATION, THERE IS AN .1250 I OST. IT IS FELT THIS COND | NCH PRODU | JCTION GAP |
| 3244 | | CESSNA | | | CLEVELAND | TIRE | DAMAGED | | 3/24/98 |
| | | 210N | | | 4075B | 600X6 | LT MLG | | AU980323 |
| | (AUS) LT MAIN LA | ANDING GEAR TIRE CU | T DURING LANDING | ON ROUGH STRIP. 7 | ΓIRE DEFLATED. | | | | |
| 5312 | | CESSNA | | | | DOUBLER | BROKEN | 2545 | 9/18/97 |
| | | 210Ј | | | 12124023 | 12120031 | BS 209 | | CA971003010 |
| | PIECES. THE BUL | | AS FOUND TO HAVE | A .50 INCH CRACK R | | | THE DOUBLER IT WAS FOU LE. THE BULKHEAD IS LOC | | |
| 5312 | | CESSNA | | | | BULKHEAD | CRACKED | | 3/20/98 |
| | | 210M | | | | 12113256 | FUSELAGE | | AU980322 |
| | ' | | | | | | O CUTOUT FOR THE RT MA CASTING BOLTS TO THE FR | | GEAR LEG. |

| INTERNATIONAL SERVICE DIFFICULTY REPORT | TSUMMARY | - AIRCRAFT | cont'd) |
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4/12/98 To 4/18/98 ISSUE: 98-16 ZAC-327

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|-------------------------------------|-------------------------|---------------------------------------|--------------------------------------|-------------------------------------|--------------------------|---|------------|----------------------------|
| 2460 | | CESSNA | | | | MASTER SWITCH | BURNT OUT | | 3/14/98 |
| | | 402C | | | | CM358950 | DC POWER DISTRIB | | AU980277 |
| | (AUS) AVIONICS N | MASTER SWITCH BURN | IED OUT. SUSPECT C | AUSED BY WATER II | NGRESS VIA THE WI | NDOW SEAL. | | | |
| 2750 | | CESSNA | | | | CABLE ASSY | BROKEN WIRES | 13636 | 10/29/97 |
| | | 402C | | | | 500000863 | FLAP | | CA971104004 |
| | (CAN) DURING TH AND SYSTEM CHE | | ON, BROKEN WIRES/S | TRANDS OF THE FLA | AP CONTROL CABLE | ASSY WERE FOUND. DE | FECTIVE CABLE ASSY AND | PULLEY P | N S378-4 REPLACED |
| 3220 | | CESSNA | | | | FORK TUBE ASSY | BROKEN | 4204 | 5/15/97 |
| | | 402C | | | | 58420005 | RT LWR AXLE | | CA970527010 |
| | (CAN) AME NOTIC | CED THE RIGHT HAND I | LOWER AXLE ATTAC | CH POINT WAS BROK | EN. DAMAGE APPE | ARS TO HAVE BEEN CAUS | SED BY A BEARING SEIZURI | E. | |
| 3234 | | CESSNA | | | | VALVE | FAULTY | | 3/14/98 |
| | | 402C | | | | 99102251 | LANDING GEAR SEL | | AU980279 |
| | (AUS) LANDING G | EAR SELECTION VALV | E FAULTY DUE TO H | IIGH RESISTANCE IN | ELECTRICAL SOLE | NOID COIL. CAUSED BY I | NGRESS OF HYDRAULIC FL | UID. | |
| 5320 | | CESSNA | | | | WEB | CRACKED | | 2/23/98 |
| | | 404CESSNA | | | C404 | 52130409 | NLG SUPPORT | | AU980221 |
| | (AUS) NOSE LAND | DING GEAR SUPPORT W | /EBS P/N 5213040-9 (L | T) AND P/N 5213040-1 | 10 (RT) CRACKED. | | | | |
| 2820 | | CESSNA | | | | FUEL LINE | CHAFED | 3336 | 5/9/96 |
| | | 414A | | | | 560010939 | SPAR WEB | | CA960513015 |
| | 87-7. LINE REPOSE CHAFING, HOWEV | ITIONED TO PROVIDE | CLEARANCE. MANU | FACTURER INSTALL | ED SPIRAL CHAFE S | TRIP TO PROVIDE PROTE | FED AND FOUND WITHIN CH CTION. EXAMINATION OF THE WING SPAR IN THIS | RT SIDE DI | D NOT INDICATE |
| 2913 | | CESSNA | | | | HYDRAULIC PUMP | LOW FLOW | | 1/14/96 |
| | | 414A | | | | 99101372 | R/H ENGINE | | CA960515007 |
| | LIGHT ILLUMINA' RETURNED TO BA | TED. PILOT CONTINUE | ED WITH TAKEOFF A ELY. MAINTENANCE | ND ATTEMPTED TO I JACKED AIRCRAFT | RETRACT THE UNDI AND CHECKED THE | ERCARRIAGE. FIRST ATT | AKEOFF, AT POINT OF LIFT EMPT FAILED BUT THE SEC ND AND AIRCRAFT RETURN | OND WAS | SUCCESSFUL. ACFT |
| 3310 | | CESSNA | CONT | | GRIMES | CONNECTOR | BURNT | | 3/13/98 |
| | | 414A | TSIO520N | | A350CNIWBKSH | A350CNIWBKSH | INST PANEL LITE | | AU980310 |
| | (AUS) SPARE POST | T LIGHT CONNECTOR I | LOCATED BEHIND TI | HE INSTRUMENT PAN | NEL SHORT CIRCUIT | ED AND BURNT. | | | |
| 3213 | | CESSNA | | | | TRUNNION | CRACKED | | 3/26/98 |
| | | 421B | | | | | LT MLG | | AU980314 |
| | (AUS) LT MAIN LA | ANDING GEAR TRUNNI | ON FORWARD MOUN | TING SUPPORT CRA | CKED. RT MAIN LA | NDING GEAR TRUNNION | SHOWS SIGNS OF A SIMILA | R DEFECT. | |
| 3213 | | CESSNA | | | | BOLT | MISSING | | 4/23/96 |
| | | 421C | | | | AN17520 | LT TORQUE LINK | | CA960513027 |
| | TO CAMBER TO A | | ON AFFECTING LANI | DING ROLLOUT. DYE | E PÉNETRANT INSPE | CTION CARRIED OUT ON | RS (5045018-2) DEPARTED FR GEAR, BUT NO FAULTS FO | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|---------------------------------|--|---------------------|-----------------------|----------------------|---|---|------------|----------------------------|
| 3310 | | CESSNA | CONT | | | DIMMER ASSY | MISSING PARTS | | 7/15/96 |
| | | 421C | GTSIO520L | | | 51184241 | | | CA960808004 |
| | ` ' | FELY. UPON INSPECTI | | | | | EN GEAR SELECTED DOWN. IEW UNIT WAS INSTALLED A | | |
| 3246 | | CESSNA | | | | WHEEL HALF | CRACKED | | 7/8/96 |
| | | 441 | | | | 16294 | COUNTER BORE | | CA960717001 |
| | (CAN) OUTBOARI SLOWLY DEFLAT | | ED FROM BASE OF E | OLT HOLE COUNTER | R BORE TO INSIDE C | OF WHEEL HALF ABOVE O | -RING AIR SEAL. CRACK AL | LOWED TU | UBELESS TIRE TO |
| 3246 | | CESSNA | | | CLEVELAND | WHEEL | CRACKED | 330 | 3/19/98 |
| | | 441 | | | 40169 | 40169 | OUTBD | | CA970605003 |
| | | D WHEEL HAS A .500 IN O SLOWLY DEFLATE. | | G FROM BASE OF BOI | LT HOLE COUNTER | BORE TO INSIDE OF WHE | EL .500 INCH ABOVE O-RING | AIR SEAL | . CRACK ALLOWED |
| 7410 | | CESSNA | GARRTT | | | IGNITION BOX | FAILED | | 7/11/97 |
| | | 441 | TPE33110 | | | 103784005 | ENGINE | | CA971223002 |
| | (CAN) IGNITION E | BOX FAILED. | | | | | | | |
| 7700 | | CESSNA | GARRTT | | | TRANSDUCER | FAILED | | 10/7/97 |
| | | 441 | TPE33110 | | | 99103261 | ENGINE | | CA971222003 |
| | ` / | CER GAVE INCORRECT DID NOT MATCH THE C | | | | | REATER AS THE AIRCRAFT | CLIMBED. | THUS; TORQUE, FUEL |
| 2750 | | CESSNA | | | | CABLE ASSY | FRAYED | | 7/17/96 |
| | | 500CESSNA | | | | 556515010CR | FLAP | | CA960808005 |
| | ` / | | | | | ON. PRE-INSTALLATION ON THIS CONDITION THIS | CHECK FOUND WIRES BROK MONTH. | EN ALONG | THE LENGTH OF THE |
| 5210 | | CESSNA | | | | DOOR SEAL | FAILED | 2255 | 8/28/96 |
| | | 550 | | | | 99120754 | CABIN | | CA960909031 |
| | ` ' | | * | | | | ED CABIN DOOR SEAL DUE T IBING PURGED OF MOISTUR | | |
| 5312 | | CESSNA | | | | BULKHEAD | MISINSTALLED | 2234 | 10/3/97 |
| | | 550 | | | | 651201021 | BS 345 | | CA971010003 |
| | | TION, FOUND THAT TH STALLED WITH INSUFF | | | | D (STN 345.0) TO THE RIGH | HT OF CENTERLINE AT THE U | JPPER CEN | NTER STRINGER, |
| 5320 | | CESSNA | | | | SPLICE | MISMANUFACTURED | 2233 | 9/26/97 |
| | | 550 | | | | 551117239 | LT WINDSCREEN | | CA970930008 |
| | ` / | | | | | ITH .083 INCH EDGE DISTA FERS. AIRCRAFT T: 2,227 | ANCE ON TWO RIVETS, THIS HOURS. | IS LESS TI | HAN THE MINIMUM |
| 5330 | | CESSNA | | | | SKIN | CRACKED | 2233 | 10/6/97 |
| | | 550 | | | | 55120106 | BS 456.5 | | CA971010006 |
| | ` ' | L FIN REPLACEMENT, ALLY TOWORDS THE | | | UPPER TAILCONE S | KIN AT STN 456.5 RUNNIN | IG FROM THE UPPER EDGE O | F THE SKI | N |

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|-------------|------------------------------------|--|---------------------|-----------------------|----------------------|---|--|-----------|----------------------------|
| 5530 | | CESSNA | | | | DOUBLER | DAMAGED | 2234 | 10/3/97 |
| | | 550 | | | | 651105014 | BS 345 | | CA971010004 |
| | , | ANUFACTURING AND I ADJACENT TO A BULKI | | , | | PRESSURE BULKHEAD (ST | TN 345.0) WAS DRILLED THR | OUGH THE | E SKIN, DOUBLER AND |
| 5751 | | CESSNA | | | | AILERON | CRACKED | 2233 | 10/6/97 |
| | | 550 | | | 552400078 | 552400052 | LEADING EDGE | | CA971010007 |
| | (CAN) RIGHT AIL TC: 2,277 HOURS | | SKIN CRACKED IN TV | WO PLACES UNDER I | NBD BALANCE WEI | GHT. SCREW HEADS ABC | OUT 1 INCH LONG EACH. LE | ADING ED | GE REPLACED. PART |
| 5730 | | CESSNA | | | | SKIN | MISSING | 920 | 9/9/97 |
| | | 525 | | | | 632205313 | WING | | CA970918009 |
| | (CAN) PILOT REP | ORTED 3 INCH BY 4 INC | CH SEGMENT OF LOV | WER WING SKIN MISS | SING. REPLACED. A | AIRCRAFT TT: 794 HOURS | | | |
| 5522 | | DHAV | | | | STIFFENER | CRACKED | 13942 | 12/2/97 |
| | | DHC3 | | | C3TEI106 | | RT ELEV TE | | CA971216049 |
| | (- ') | EDGE OF ELEVATOR SE R CORROSION FOUND (| | | | FFENER CRACKED AT RIV | VET HOLES AND BROKEN TI | HROUGH II | N 3 PLACES. |
| 2410 | | DIAMON | | | | ARM | CHAFED | | 4/25/97 |
| | | DA20A1 | | | | 953240 | ALTERNATOR | | CA970513017 |
| | (CAN) LOCKWIRE | E FOUND TO HAVE CHA | FED THE ALTERNAT | OR ARM. | | | | | |
| 3242 | | EMB | | | ERAM | GUIDE | MISSING | | 11/30/97 |
| | | EMB110P1 | | | 16835 | 16844 | BRAKE DISC | | CA971216044 |
| | THE DISC WAS SO | CORED. SUBMITTER NO | OTES THAT SOMETIN | MES THE SCREWS WI | HICH ATTACH GUID | | TO THE CIRCUMFERENCE O DUND LOOSE. (150-HOUR IN: NG. | | |
| 5320 | | EMB | | | | CHANNEL | CRACKED | | 3/5/98 |
| | | EMB110P1 | | | | 4A14110716 | STAB SUPPORT | | AU980293 |
| | ` / | LT UPPER HORIZONTA NEL TO REAR BULKHE | | | CHANNEL CRACKED | THROUGH TWO BOLT HO | OLES. FURTHER INVESTIGA | TION FOU | ND SEVERE FRETTING |
| 3230 | | GROB | | | | DRIVER | BENT | 135 | 10/3/97 |
| | | G103TWNASTIR | | | | 1035052 | GEAR SELECT | | CA970910003 |
| | , , | | | | | THE GEAR RETRACTED A FOR THIS AIRCRAFT ANI | ND AIRCRAFT SLID ON ITS I D DRIVER TO BE BENT. | BELLY TO | A STOP. INSPECTION |
| 2730 | | GROB | | | | STOP | CRACKED | 130 | 4/15/97 |
| | | G115C | | | | M6X45 | ELEV DOWN | | CA970422034 |
| | (CAN) ELEVATOR | R DOWN RUBBER STOP | CRACKED. | | | | | | |
| 2730 | | GROB | | | | STOP | CRACKED | 130 | 4/19/97 |
| | | G115C | | | | M6X45 | ELEV | | CA970425007 |
| | | | | DIG TO EDGE ALGO | WHEN STOP REMO | OVED. EXCESSIVE CORRO | SION FOUND ON STOP. AIRC | RAFT TT: | 291 HOURS. |
| | (CAN) RUBBER E | LEVATOR STOP CRACK | ED FROM WEAR MA | RKS TO EDGE. ALSO | , which brot keine | , | | | |
| 5523 | (CAN) RUBBER E | LEVATOR STOP CRACK GROB | ED FROM WEAR MA | .RKS TO EDGE. ALSO | , WILLYSTOT REIVE | TRIM TAB | SEPARATED | | 2/26/98 |
| | (CAN) RUBBER E | | ED FROM WEAR MA | RKS TO EDGE. ALSO | , WILLYSTOF REM | • | SEPARATED ELEVATOR TAB STR | | 2/26/98 AU980242 |

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|-------------|------------------------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|---|-----------|----------------------------|
| 2750 | | GULSTM | | | | CABLE | BROKEN | 5330 | 7/8/97 |
| | | 695A | | | | 500012231 | RT INB FLAP | | CA971010012 |
| | (CAN) 75 PERCEN | T OF RT INBOARD FLA | P CABLE STRANDS B | ROKEN. REPLACED | | | | | |
| 5753 | | GULSTM | | | | RIB | CRACKED | 9794 | 11/5/97 |
| | | 690D | | | | 260026103 | LT INB FLAP TE | | CA971117012 |
| | (CAN) LEFT WING | G INBOARD FLAP TRAII | LING EDGE RIB CRAC | CKED. AIRCRAFT TT | : 9,794 HOURS. | | | | |
| 5753 | | HELIO | | | HELIO | FLAP TRACK | BROKEN | 8812 | 7/10/97 |
| | | H250 | | | | 3910104142 | LT INBOARD | | CA970930006 |
| | (CAN) BROKEN F | LAP TRACK FOUND ON | ROUTINE INSPECTION | ON. | | | | | |
| 2700 | | LET | | | | CABLES | WORN | 1304 | 7/26/96 |
| | | L13BLANIK | | | | L1340213A402092M | PULLEYS | | CA960802004 |
| | TO HAVE AN UNA | | OF BROKEN WIRES | IN THE AREA OVER T | THE PULLEYS. THE | PREVIOUS LOGS SHOW T | HE COCKPIT FLOOR. CABLES HAT THE CABLES WERE REP | | |
| 5540 | | LET | | | | ATTACH BOLT | WRONG SIZE | | 7/26/96 |
| | | L13BLANIK | | | | 3030501 | RUDDER HINGE | | CA960802002 |
| | DURING RE-ASSE | | OF THE BOLT REMO | | | | THE COTTER PIN HOLE WAS ERS WERE INSTALLED TO B | | |
| 2731 | | MTSBSI | | | | CABLE | FAILED | | 3/11/98 |
| | | MU2B30 | | | | 010A6117931 | ELEVATOR TAB CON | | AU980250 |
| | (AUS) ELEVATOR | TRIM CABLE FRAYED | WITH ONLY ONE ST | RAND REMAINING . (| CABLE FAILED DUR | RING REMOVAL. AIRCRAF | T WAS PREVIOUSLY REGIST | ERED ASV | H-UZN. |
| 3260 | | MTSBSI | | | | SWITCH | FROZEN | | 9/30/97 |
| | | MU2B36A | | | | | RT LDG | | CA971027006 |
| | , | | | ' | | | FEXTINGUISHED AFTER 20 I ME COLD TEMPERATURE. S | | |
| 2740 | | PARTEN | | | | TORQUE TUBE | CORRODED | | 3/26/98 |
| | | P68C | | | | 6853029 | HORIZ STABILIZER | | AU980328 |
| | (AUS) STABILATO | OR TORQUE TUBE COR | RODED. INSPECTION | FOUND RUST ON BO | OTH THE INTERNAL | L AND EXTERNAL SURFAC | CES. | | |
| 2823 | | PARTEN | | | | FITTING | LOOSE | | 1/8/98 |
| | | P68B | | | | | FUEL SELECTOR | | AU980215 |
| | | | | | | | STIGATION FOUND THAT TH NTIFIED FOR THE STOPPAGE | | |
| 3411 | | PARTEN | | | | HOSE | DETERIORATED | | 3/27/98 |
| | | P68B | | | 6877519 | 6874017 | PITOT/STATIC | | AU980317 |
| | (AUS) PITOT/STA' DISTRIBUTOR MA | | ERIORATED. SILICO | N HOSE APPEARS TO | BE BREAKING DOV | WN AND EXUDING AN OIL | Y FILM WHICH IS PARTIALL | Y BLOCKI | NG THE STATIC AIR |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|-----------------------------------|---|-----------------------|-----------------------|----------------------|---|--------------------------|-------------|----------------------------|
| 5414 | | PARTEN | | | | SKIN | CORRODED | | 3/24/98 |
| | | P68B | | | | 68120237 | RT ENG NAC | | AU980318 |
| | (AUS) RT ENGINE ALSO CORRODED | | N SEVERELY CORRO | DED INTERNALLY. S | SKIN IS LOCATED A | ABOVE THE EXHAUST GAS | STREAM. PART OF THE NA | CELLE LAT | ERAL BEAM WAS |
| 5711 | | PARTEN | | | | SPAR | CORRODED | | 3/26/98 |
| | | P68C | | | 6814002 | 6814001 | LT RT WING | | AU980327 |
| | (AUS) LT AND RT FIREWALLS. | WING SPARS P/N 68-1.4 | 4001 AND P/N 68-1.400 | 02 CONTAINED INTER | RGRANULAR AND | EXFOLIATION CORROSION | IN THE WEBS LOCATED B | EHIND THE | ENGINE |
| 3260 | | PILATS | | | | BOLT | SHEARED | 418 | 12/17/97 |
| | | PC12 | | | | 9321912044 | RT WOW SWITCH | | CA980330026 |
| | BREAKER. AFTER | | NNUNCIATOR ILLUM | IINATED. INVESTIGA | ATION FOUND THA | SLUSH. SAME PROBLEM OC T RT WEIGHT- ON-WHEEL T 2: 273. | | | |
| 2810 | | PILATS | | | | COLLECTOR TANK | CONTAMINATED | | 4/16/96 |
| | | PC6B1H2 | | | | | FUEL SYS | | CA960503104 |
| | (CAN) COLLECTO | R TANK WAS FULL OF | FOAM WHICH WAS | DETERIORATING FRO | OM THE FUEL. IT V | VAS FOUND IN THE FUEL FI | LTERS. TANKS CLEANED. | | |
| 3213 | | PIPER | | | | CYLINDER | CRACKED | | 2/20/98 |
| | | PA28151 | | | | 6531904 | MLG | | AU980233 |
| | (AUS) MAIN LAND | DING GEAR CYLINDER | CRACKED IN AREA | OF TORQUE LINK AT | TACHMENT LUG R | ADIUS. | | | |
| 5711 | | PIPER | | | | FITTING | CORRODED | | 3/8/98 |
| | | PA28R201 | | | 6244803 | 6244802 | LT RT AFT SPAR | | AU980294 |
| | (AUS) LT AND RT | REAR SPAR ATTACHM | MENT FITTINGS P/N 6 | 2448-02 (LT) AND P/N | 62448-03 (RT) COR | RODED. | | | |
| 2140 | | PIPER | | | JANITROL | TUBE ASSY | PUNCTURED | 526 | 3/31/98 |
| | | PA31350 | | | 65D792 | 87D133 | HEATER | | CA971104009 |
| | AND CLEARED IG | NITER. FUNCTIONAL | TEST OF HEATER CA | RRIED OUT, HOWEV | ER, DECAY TEST C | TIME CAUSING OVERHEAT ARRIED OUT WITH NEGATI FREQUENT INSPECTION OF | IVE RESULTS. HEATER WA | S REMOVE | D FOR FURTHER |
| 2810 | | PIPER | | | | SEAL | MISSING | | 3/6/98 |
| | | PA31 | | | | | RT MAIN FUEL | | AU980257 |
| | ' | JEL TANK CAP SEAL M I. PERSONNEL/MAINT | | FLEW THROUGH HEA | AVY RAIN ALLOWI | NG WATER TO ENTER FUEL | TANK. RT ENGINE FAILE | D DUE TO W | ATER |
| 3213 | | PIPER | | | | HOUSING | CRACKED | 10073 | 3/26/98 |
| | | PA31 | | | 4041302 | 40327000 | LT MLG STRUT | | CA971021003 |
| | (CAN) AFTER LAN CRACK. HOUSING | · · · · · · · · · · · · · · · · · · · | ED LT LANDING STR | UT WAS FLAT AND L | EAKING FLUID. M | AINTENANCE INSPECTION | REVEALED STRUT HOUSIN | IG HAD A 16 | 5 INCH VERTICAL |
| 3220 | | PIPER | | | | HOUSING ASSY | CRACKED | 10594 | 11/4/97 |
| | | PA31350 | | | 5521402 | 4531603 | NLG | | CA971112009 |
| | CRACKING COLL | AR SLIPS UNDER STOP | S, FORCES IT OUT, T | HEN THE STEERING I | MECHANISM ACTS | ING ASSY HOUSING. TURN S AS A LIMITER. IN THIS CA INING STEER ARM TO CYLI | SE, BOLTS 401268 (AN3H-1 | 0A) AND 400 | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|---|---------------------|-----------------------|----------------------|---|--|--------------|----------------------------|
| 3230 | | PIPER | | | | ROD END | SEVERED | 6284 | 2/14/97 |
| | | PA31310 | | | | 762685 | ACTUATOR | | CA970227002 |
| | (CAN) RIGHT MAI | N GEAR FAILED TO RE | ETRACT, AND WOULI | O NOT INDICATE DOV | WN AND LOCKED. | ROD END FOUND SEVERE | ED FROM ACTUATOR. | | |
| 3260 | | PIPER | | | | SWITCH | OUT OF ADJUST | | 2/17/97 |
| | | PA31 | | | | 487862 | NLG DOWN LOCK | | CA970226001 |
| | | | | | | IDED. AT MOMENT OF TO CH WAS OUT OF ADJUST. | UCHDOWN, GEAR CYCLE C | OMPLETED, | AND GEAR DOORS |
| 3260 | | PIPER | | | | SWITCH | FAILED | | 10/24/97 |
| | | PA31350 | | | | 1CH214 | MLG | | CA971031002 |
| | ` ' | | | | | | ED OUT, NO CHANGE. TOW IN NORMAL POSITION. DEI | | |
| 3710 | | PIPER | | | AIRBORNE | PUMP | FAILED | | 2/19/97 |
| | | PA31350 | | | | 441CC | VAC SYS | 1034 | CA970226063 |
| | | UMP FAILED IN-FLIGH UMP SMOOTH OPERA | | AND DISINTEGRATEI | D. PUMP WAS SEIZ | ED. SUBMITTER SUGGEST | TED THAT INSPECTION BE C | ARRIED OU | T EVERY 500 HOURS |
| 5270 | | PIPER | LYC | | | PIN | BROKEN | 7393 | 11/26/97 |
| | | PA31 | TIO540A2B | | | | BS 111.5 | | CA971216073 |
| | ` ' | | | | | PIN IN A BLOCK CONNEC ME UPHOLSTERY TO REAR | ГОR UNDER AND BEHIND T R OF AIRCRAFT. | HE CIRCUIT | BREAKER AND |
| 5512 | | PIPER | | | | STABILIZER | FOD | | 3/8/98 |
| | | PA31 | | | | | HORIZ STABILIZER | | AU980315 |
| | (AUS) LT HORIZO | NTAL STABILIZER LEA | ADING EDGE FOD. DA | AMAGE LOCATED IN | BOARD OF STN 78. | 5. | | | |
| 5521 | | PIPER | | | | RIB ASSEMBLY | CRACKED | 12634 | 11/27/97 |
| | | PA31350 | | | 5423235 | 4374301 | RT ELEV | | CA971219012 |
| | ` ' | LACING MAIN SPAR IN CRAFT TT: 12,445 HOU | | ATOR PER SB 998A, TI | HE END RIB ASSY | WAS FOUND CRACKED W | HERE THE SPAR ATTACHES | TO THE RIE | . CRACK ABOUT .50 |
| 5751 | | PIPER | LYC | | | SPAR | CRACKED | 12327 | 3/25/98 |
| | | PA31 | | | 4020042 | 4019016 | AIL INB HINGE | | CA980330021 |
| | | | | | | NGE INSTALLED. CRACK V CRAFT TT: 12,156 HOURS. | WAS FOUND AS A RESULT O | OF A FLEET I | NSPECTION DUE TO |
| 5751 | | PIPER | | | | SPAR | CRACKED | 9583 | 3/25/98 |
| | | PA31350 | | | 4020042 | 4019016 | AIL INB HINGE | | CA980330022 |
| | | | | | | | ON FOR AWD 96-21-03. THE KED. REF: SDR CA98033002 | | |
| 5751 | | PIPER | | | | SPAR | CRACKED | 9583 | 3/25/98 |
| | | PA31350 | | | 4020043 | 4019017 | AIL INB HINGE | | CA980330023 |
| | ` ' | BEEN COMPLIED WIT | | | | | ACK WAS FOUND AS A RESU | JLT OF A FL | EET INSPECTION |

| INTERNATIONAL | SERVICE DIFFICUR | LTY REPORT SUMMARY | ' - AIRCRAFT (cont'd) |
|---------------|------------------|--------------------|-----------------------|
| INTERNATIONAL | | | - AINCINALL (COILLI) |

| <u>INTERNA</u> | ATIONAL SERVIC | E DIFFICULTY RE | PORT SUMMARY | | <u>4/12/98 To 4/18</u> | 8/98 IS | SUE: 98-16 ZAC-327 | | |
|----------------|-------------------------------------|---|--|-------------------------------------|---------------------------------------|--|--|-----------|----------------------------|
| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
| 6120 | | PIPER | | | | BALLJOINT | WORN | 10562 | 10/17/97 |
| | | PA31350 | | | DWG42116 | 5417500 | PROP GOVENOR | | CA971024014 |
| | CLOSER INSPECTION THE BALL JOINT IS | ON, THE BALL JOINT W | VAS FOUND SEVERLY N THE BALL JOINT IS | Y WORN. THE LOCA DISCONNECTED, C | TION OF THE WORN LEANED, AND A MAC | AREA COULD NOT BE SE GNIFYING GLASS USED. I | SEPARATED EASILY FROM EN VISUALLY WHEN CONNI NSPECTION SHEETS WILL B | ECTED. T | HE INSPECTION OF |
| 3260 | | PIPER | | | | HARNESS | BROKEN | 162 | 5/7/97 |
| | | PA44180 | | | 89291003 | 89291003 | RT MLG SWITCH | | CA970513019 |
| | (CAN) GEAR WAS BROKEN. | SELECTED DOWN AND | THE RT HAND GEAI | R SAFE LIGHT WOUI | LD GO OUT INTERMIT | TTENTLY. INVESTIGATIO | N FOUND THE WIRE GOING | INTO TH | E SWITCH BODY WAS |
| 3260 | | PIPER | | | | HARNESS | BROKEN | 410 | 5/6/97 |
| | | PA44180 | | | 89291003 | 89291003 | LT MLG SWITCH | | CA970513018 |
| | (CAN) GEAR WAS BODY OF THE SWI | | E LT SAFE LIGHT WO | OULD NOT ILLUMINA | ATE. INVESTIGATION | N FOUND A WIRE HAD BR | OKEN OFF AT THE ENTRY P | OINT OF | THE WIRE INTO THE |
| 7603 | | PIPER | LYC | | | CABLE | BROKEN | 4385 | 10/31/97 |
| | | PA44180 | O360E1A6 | | | 554528 | THROTTLE | | CA971110007 |
| | , , | CONTROL FAILED ON . BOTH CONTROL CAB | | | BREAK OCCURRED | AT COCKPIT END OF THE | ROTTLE CONTROL APPROXI | MATELY | .25 INCH FROM |
| 3244 | | REIMS | PWA | MCAULY | | TIRE | DAMAGED | | 1/30/98 |
| | | F406 | PT6A112 | 3GFR34C701 | | | MLG | | AU980066 |
| | (AUS) TIRE CONTA | AINED FLAT SPOT. FOU | ND DURING INSPECT | ΓΙΟΝ FOLLOWING A | BORTED TAKEOFF D | UE TO BIRD STRIKE AVOI | DANCE. | | |
| 2750 | | ZLIN | | | MORAVAN | FLAP CONTROL | DEFECTIVE | 1130 | 4/22/97 |

Z14343110000

(CAN) AS A RESULT OF DOING A FLEET INSPECTION THE FLAP CONTROL LEVER DETENT PIN WAS FOUND MIGRATING OUT OF POSITION DUE TO FAILURE OF THE COTTER PIN. SUBMITTER RECOMMENDS INSPECTING THIS AREA.

CSN02210724

DETENT PIN

(End of INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - AIRCRAFT)

Z242L

CA970918003

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO | |
|-------------|--|--|---------------------|-----------------------|----------------------|--------------------------|-------------------------|------------|----------------------------|--|
| 2916 | | AEROSP | | | | RESERVOIR | CRACKED | | 2/26/98 | |
| | | AS355F1 | | | | 355A7513300401 | HYDRAULIC | 6246 | AU980213 | |
| | (AUS) HYDRAULIO | C RESERVOIR CRACKE | D IN AREA AROUND | OUTLET PIPE . | | | | | | |
| 7250 | | AEROSP | ALLSN | | | TURBINE ASSY | DAMAGED | 5328 | 8/13/96 | |
| | | AS355F1 | 250C20F | | | | FIRST STAGE | 2293 | CA960910039 | |
| | ` ' | (CAN) DURING OPERATIONS, THE PILOT HEARD A VIOLENT NOISE FROM HIS RIGHT SIDE. INSTRUMENTS CONFIRMED ENGINE WAS LOST. PILOT PICKED UP AIRSPEED AND WAS ABLE TO CARRY OUT A ONE ENGINE LANDING. PRELIMINARY INVESTIGATION REVEALED SUBSTANTIAL DAMAGE TO THE FIRST STAGE WHEEL AND NOZZLE. PART TC: 6,336. | | | | | | | | |
| 2550 | | AEROSP | | | LUCAS | CABLE CUTTER | MALFUNCTIONED | | 3/2/98 | |
| | | SA365C | | | | | HOIST | 312 | AU980216 | |
| | (AUS) HOIST CABLE CUTTER FIRED AND CUT CABLE. HOIST CONTROL WAS IN THE OFF POSITION. | | | | | | | | | |
| 6322 | | BELL | LYC | | | BEARING | ROUGH | | 7/27/96 | |
| | | 204B | T5313B | | | 9103PP | BLOWER ASSY | 162 | CA960802003 | |
| | | EDIUM FREQUENCY V LACED ASSEMBLY ANI | | | E PILOT THROUGH | THE TAIL ROTOR PEDALS | S. EXAMINATION FOUND B | BLOWER ASS | SEMBLY MAKING | |
| 5531 | | BELL | | | | SPAR | CRACKED | 15439 | 8/25/97 | |
| | | 205A1 | | | | 205032899 | VERT FIN | | CA970916001 | |
| | (CAN) FOUND CRACK ORIGINATING FROM A RIVET HOLE TO THE EDGE OF THE SPAR, AND ANOTHER CRACK FROM RIVET HOLE INBOARD PER AD 97-18-01. AIRCRAFT TT: 15,439 HOURS. | | | | | | | | | |
| 7310 | | BELL | LYC | | | TUBE ASSEMBLY | BROKEN | | 12/28/97 | |
| | | 205A1 | T5313B | | | 117050001 | PURGE SYSTEM | | CA980403008 | |
| | (CAN) TUBE ASSE | MBLY, PURGE SYSTEM | I, FOUND BROKEN A | T THE BRAZING. THI | S ASSEMBLY IS IN | THE FUEL STARTING SYS | ГЕМ. | | | |
| 2844 | | BELL | | | | SWITCH | FAILED | | 3/26/97 | |
| | | 206B | | | | 7G547 | FUEL PRESS | | CA970421060 | |
| | (CAN) FUEL PRESS | SURE LIGHT DID NOT I | LLUMINATE. FUEL I | PRESSURE SWITCH R | EPLACED. | | | | | |
| 2913 | | BELL | ALLSN | | LSI | SPLINES | WORN | | 8/2/97 | |
| | | 206B | 250C20 | | 206076022005 | CC211981 | HYD PUNP | 1645 | CA971015039 | |
| | (CAN) METAL FOU | JND IN HYDRAULIC FI | TER. SEVERE WEA | R ON OIL PUMP SHA | FT SPLINES AND AD | OAPTER. SUSPECT HYDRO | PACK SHAFT BENT. REPL | ACED. | | |
| 3020 | | BELL | ALLSN | | | VALVE ANTI ICE | CRACKED | | 12/24/96 | |
| | | 206L | 250C20B | | 6856983 | 6852176 | GUIDE | | CA970421057 | |
| | (CAN) ANTI-ICE V | ALVE GUIDE ASSY CRA | ACKED ALLOWING T | HE GUIDE ASSY LEV | ER SUPPORT TO SE | PERATE FROM THE VALV | E ASSY B-NUT. REPLACED. | | | |
| 3213 | | BELL | ALLSN | | | SUPPORT | DAMAGED | 14692 | 7/5/97 | |
| | | 206B | 250C20 | | | 206050286101 | CROSSTUBE | | CA970424006 | |
| | (CAN) CROSSTUBI | E SUPPORT STRUCTUR | E DAMAGED. REPAI | R CARRIED OUT. | | | | | | |
| 3213 | | BELL | | | | SADDLE | CRACKED | | 4/30/96 | |
| | | 206L4 | | | | 206033108001 | CROSSTUBE | | CA970513007 | |
| | (CAN) SKID GEAR | SHIFTED LATERALLY | ALLOWING SADDLE | E TO WEAR ON LUG O | ON SKID CROSS TUE | BE. | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO | | |
|-------------|--|--|---------------------|-----------------------|----------------------|---------------------------|---------------------------|------------|----------------------------|--|--|
| 5302 | | BELL | ALLSN | | | FITTING | CRACKED | 9570 | 9/26/97 | | |
| | | 206B | 250C20B | | | 206031329001 | TAILBOOM | | CA971003005 | | |
| | (CAN) CRACK FOU | UND RUNNING VERTIC | CALLY BETWEEN RIV | VET HOLES. PART RE | EPLACED WITH UPG | RADE P/N 206-031-329-1038 | S. THIS IS AT TAIL BOOM A | ТТАСН. | | | |
| 5311 | | BELL | ALLSN | | | FRAME | CRACKED | 9021 | 5/2/97 | | |
| | | 206B | 250C20 | | | 206031303049 | BS 142.3 | | CA970526005 | | |
| | (CAN) FOUND RIV | ET LOOSE AT STA 142. | 33. CHECK INSIDE A | AIRFRAME REVEALEI | FRAME CRACKED | . AIRCRAFT TT: 9,419 HO | URS. | | | | |
| 5312 | | BELL | ALLSN | | | BULKHEAD | CRACKED | 9021 | 5/2/97 | | |
| | | 206B | 250C20 | | | 206030446001F | T/R GEARBOX | | CA970526006 | | |
| | (CAN) CRACK FOU | (CAN) CRACK FOUND AT TAIL ROTOR GEARBOX ATTACHMENT POINT. LEFT REAR BOLT HOLE. AIRCRAFT TT: 9,419 HOURS. | | | | | | | | | |
| 5313 | | BELL | ALLSN | | | LONGERON | DAMAGED | 14692 | 7/5/97 | | |
| | | 206B | 250C20 | | | 206031314021 | ENGINE PAN | | CA970424004 | | |
| | (CAN) LEFT HAND | (CAN) LEFT HAND ENGINE PAN LONGERON REPLACED. AIRCRAFT TT: 14,791 HOURS. | | | | | | | | | |
| 5320 | | BELL | ALLSN | | | WEB | DAMAGED | 14692 | 7/5/97 | | |
| | | 206B | 250C20 | | | 206031309013 | RT BAG COMPT | | CA970424003 | | |
| | (CAN) CANTED W | EB IN BAGGAGE COM | PARTMENT AREA DA | AMAGED. AIRCRAFT | TT: 14,791 HOURS. | | | | | | |
| 5320 | | BELL | ALLSN | | | ROOF SHELL | DAMAGED | 14692 | 7/5/97 | | |
| | | 206B | 250C20 | | | 206031201179 | LEFT | | CA970424001 | | |
| | (CAN) LEFT HAND ROOF SHELL DAMAGED. AIRCRAFT TT: 14,791 HOURS. | | | | | | | | | | |
| 5320 | | BELL | ALLSN | | | ROOF SHELL | DAMAGED | 14692 | 7/5/97 | | |
| | | 206B | 250C20 | | | 206031201179 | FORWARD LOWER | | CA970424002 | | |
| | (CAN) FORWARD | LOWER ROOF SHELL D | DAMAGED. | | | | | | | | |
| 6200 | | BELL | ALLSN | | | MAIN ROTOR SYS | STOPPAGE | | 2/13/98 | | |
| | | 206B | 250C20B | | | | DRIVE SYS | | AU980262 | | |
| | (AUS) MAIN ROTO | OR, TAIL ROTOR AND D | ORIVE SHAFT COMPO | ONENTS - SUSPECT F | OLLOWING DYNAM | IIC ROLLOVER ON 2/13/98 | | | | | |
| 5220 | | BELL | ALLSN | | | ROTOR HEAD | OFFSET | 9765 | 4/14/97 | | |
| | | 206B | 250C20 | | | 206011100021 | TRUNNION | | CA970528017 | | |
| | ` / | OR BALANCED AND AL REWS COULD NOT BE A | | Y PRIOR TO INSTALL | ATION. SEVERE VIE | BRATIONS ON GROUND RI | UN. TRUNNION WAS FOUN | O TO BE OF | FSET BY 0.009 INCH. | | |
| 5240 | | BELL | ALLSN | | | SUPPORT ASSY | CRACKED | | 4/7/97 | | |
| | | 206B | 250C20 | | | 206061733005 | DROOP COMP | | CA970422021 | | |
| | (CAN) DROOP CON SUPPORT. | MPENSATOR SUPPORT | ASSEMBLY FOUND | CRACKED. CRACK V | VAS APPROX 1 INCH | BELOW PIVOT POINT FO | R THE BELLCRANK ON THI | E INBOARD | PORTION OF THE | | |
| 6310 | | BELL | | | | FREEWHEEL | LEAKING | 10787 | 3/31/97 | | |
| | | 206B | | | | 206040230014 | M/R DRIVE | 1011 | CA970609004 | | |
| | (-) - | UG LEAKING OIL INTO OUPLING CAP. GREASE | | | | | HEN TRANSFERRING INTO | DRIVE SHA | FT COUPLING VIA | | |
| 6320 | | BELL | ALLSN | | | TRANSMISSION | LEAKING | 6210 | 4/16/97 | | |
| | | 206B | 250C20 | | | 206040002025 | MAG SEAL | 845 | CA970528015 | | |
| | (CAN) MAGNETIC | SEAL SQUEELING ON | SHUT DOWN SINCE | INSTALLATION. OIL | DARK AND BLACK, | NON-MAGNETIC FILM IN | FILTER. | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|--|---------------------|-----------------------|----------------------|--------------------------|---|-----------|----------------------------|
| 6322 | | BELL | ALLSN | | | TUBE | CHAFED | | 5/18/97 |
| | | 206L1 | 250C28B | | | 206040544001 | OIL COOLER | | CA970528025 |
| | (CAN) TRANSMISS | ION OIL COOLER LINE | E IS CHAFED. | | | | | | |
| 6330 | | BELL | ALLSN | | | MOUNT | LOOSE | | 4/16/97 |
| | | 206B | 250C20 | | | 206030539101 | M/R XMSN | 253 | CA970609005 |
| | (CAN) ISOLATION | MOUNT COVER AND | SCREWS LOOSE, CAU | JSING INTERMITTAN | T VIBRATION IN FL | IGHT. | | | |
| 6510 | | BELL | ALLSN | | | DISC PACK | CRACKED | | 8/5/97 |
| | | 206B | 250C20 | | 327211 | 327211 | T/R DRIVE | | CA971015040 |
| | (CAN) TAIL ROTOR | R DRIVE SHAFT FORW | ARD COUPLING, LOC | CATED IN ENGINE CO | OMPARTMENT, 3 DIS | SCS CRACKED DUE TO EN | GINE MIS-ALIGNMENT. RE | PLACED. | |
| 6520 | | BELL | ALLSN | | | SEAL | LEAKING | 15827 | 3/31/97 |
| | | 206B | 250C20 | | | 206040400005 | T/R GRBOX | 1837 | CA970609003 |
| | (CAN) INPUT SEAL | AREA WOULD NOT S | TOP LEAKING . FOU | R SEALS AND SPACE | RS CHANGED WITH | NO SUCCESS. | | | |
| 6520 | | BELL | ALLSN | | | GEARBOX | LEAKING | 10192 | 3/10/97 |
| | | 206B | 250C20 | | | 2060404005 | INPUT SEAL | 3764 | CA970421044 |
| | (CAN) INPUT SEAL | LEAKING. 5 ATTEMP | TS AT SEAL REPLAC | EMENT COULD NOT | STOP GEARBOX LE | AKING, GEARBOX REPLAC | CED. | | |
| 6520 | | BELL | ALLSN | | | INPUT SEAL | LEAKING | 277 | 5/22/97 |
| | | 206B | 250C20 | | | 206340103101 | TAIL ROTOR INPUT | | CA970528012 |
| | (CAN) SEAL HAS L | EAKED EXCESSIVELY | SINCE INSTALLATION | ON IN TAIL ROTOR G | EARBOX. | | | | |
| 7120 | | BELL | ALLSN | | | ATTACHMENT | DAMAGED | 14692 | 7/5/97 |
| | | 206B | 250C20 | | | 206061101020 | FWD ENG MT | | CA970424005 |
| | (CAN) FORWARD I | ENGINE ATTACHMENT | Г DAMAGED. REPAII | R CARRIED OUT. | | | | | |
| 7120 | | BELL | ALLSN | | | LEG | CRACKED | | 3/22/97 |
| | | 206B | 250C20 | | | 2060621021 | LOWER SUPPORT | | CA970422002 |
| | (CAN) CRACK FOU | ND AT AIRFRAME SID | DE OF ENG MOUNT A | TTACHMENT. | | | | | |
| 7210 | | BELL | ALLSN | | | GEARBOX | SEPARATED | 6481 | 3/24/98 |
| | | 206L | 250C20 | | | 23035185 | STUDS | 3355 | CA971014007 |
| | WEIGHT OF TURB | | SE IT WAS. TURBIN | E WAS REMOVED BY | | | EAVING TOP .3750 INCH NUT IN THE TURBINE. THE HELI | | |
| 7230 | | BELL | ALLSN | | | BOLT | CRACKED | | 1/30/97 |
| | | 206B | 250C20 | | | 684946812142 | COMPRESSOR | | CA970206015 |
| | | DING UP AN ENGINE ING A GLASS, A CRAC | | | | AIN THE COMPRESSOR TO | THE GEARBOX. IT WAS A | NEW BOLT | , BUT UPON CLOSE |
| 7230 | | BELL | ALLSN | | | STATOR VANE | BENT | | 9/18/97 |
| | | 206B | 250C20 | | 6990550 | 6899394 | 4TH STAGE | 2860 | CA971006003 |
| | | OR STALL OCCURRED TIGATION REVEALED | | | O.T., POWER REDUC | CED TO LOWER T.O.T. BEL | OW RED LINE. ON LANDIN | G, POWER | APPLIED TO CHECK |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|---|--|---------------------|-----------------------|----------------------|--------------------------|-------------------------|------------|----------------------------|
| 230 | | BELL | ALLSN | | | RING GROOVES | WORN | | 1/7/98 |
| | | 206B | 250C20 | | 6876667 | | FRONT SEAL | | CA970421038 |
| | (CAN) FRONT SEA | L RING GROOVES WO | RN BEYOND LIMITS. | | | | | | |
| 230 | | BELL | ALLSN | | | EXDUCER | CRACKED | | 7/26/96 |
| | | 206L | 250C20B | | | 6876667 | COMPRESSOR | | CA960801021 |
| | (CAN) WHILE DOI | NG A TURBINE CHANC | E, AME FOUND A CR | ACK IN THE COMPR | ESSOR DISCHARGE | TUBE. SUSPECT CRACK | WAS CAUSED BY MECHAN | CAL DAMA | GE. |
| 230 | | BELL | ALLSN | | | BEARING | SPALLING | | 9/9/97 |
| | | 206L | 250C20 | | 23038126 | 23009609 | COMPRESSOR | | CA970916016 |
| | (CAN) CHIP LIGHT BEARING AND SEA | | DED. METAL ON PLU | G. SEVERAL RUNUP | S AND METAL ON P | LUGS. COMPRESSOR CHA | NGED. NR 1 BEARING ROI | LERS HAD | SPALLING ON END. |
| 240 | | BELL | ALLSN | | ALLISON | LINER | CRACKED | | 9/2/97 |
| | | 206B | 250C20 | | 23056130 | 23056130 | COMBUSTER | | CA971015047 |
| | (CAN) CRACK FOU | IND IN LIP AREA CUM | BUSTOR LINER ALSO | MAKING HARD CO | NTACT WITH NOZZI | LE AREA. | | | |
| 240 | | BELL | ALLSN | | | BEARING | FAILED | 78038 | 10/1/97 |
| | | 206L1 | 250C28B | | | 6873002 | ENG NR 2 | 566 | CA971021002 |
| | (CAN) ENGINE CH | IP LIGHT CAME ON DU | JRING APPROACH, L | ANDED, NR 2 BEARIN | NG IN ENGINE GENE | ERATING METAL. PART TO | C: 7,004. | | |
| 60 | | BELL | ALLSN | | | STUD | LOOSE | | 2/11/98 |
| | | 206B | 250C20B | | 68760300 | 68760300 | ENG ASSORY DRV | | CA970421050 |
| | (CAN) LOOSE STUD ON ENGINE ACCESSORY DRIVE GEARBOX. REPLACED. | | | | | | | | |
| 61 | | BELL | ALLSN | | ALLISON | FITTING | REVERSED | | 10/1/97 |
| | | 206B | 250C20 | | 6898734 | 6877896 | ENG SCAV OIL | 89 | CA971113042 |
| | (CAN) SCAVENGE | OIL FITTING LEAKED | SINCE OVERHAUL II | NSTALLATION. OIL I | FITTING INSTALLED | BACKWARDS. FITTING I | NSTALLED PROPERLY ANI | NEW SEAL | S INSTALLED. |
| 13 | | BELL | ALLSN | | | NOZZLE | CRACKED | | 2/11/98 |
| | | 206B | 250C20B | | 6898735 | 6898735 | ENGINE | | CA970421049 |
| | (CAN) FUEL NOZZ | LE CRACKED BEYONI | LIMITS. REPLACED |). | | | | | |
| 20 | | BELL | ALLSN | | | LINE | LEAKING | 3407 | 12/19/97 |
| | | 206B | 250C20 | | | 6875632 | FUEL CONTROL | | CA971231009 |
| | (CAN) FUEL NOTE | D DRIPPING FROM TH | E ENGINE COMPART | MENT OVERBOARD | DRAIN. FUEL LINE | BETWEEN FUEL CONTRO | L AND GOVERNOR LEAKIN | G. | |
| 320 | | BELL | ALLSN | | BENDIX | BYPASS VALVE | STUCK | 2324 | 12/17/96 |
| | | 206B | 250C20B | | 23057344 | | ENG FUEL | | CA970528021 |
| | <u> </u> | O ADJUST START CYCL S VALVE STUCK OPEN. | | ALLING AND FAST E | EXCELLERATION OF | N1 RPM NOTED AT 20 PE | R N1. FUEL PRESSURE WAS | NOTED AS | HIGH AS +30 PSI. |
| 320 | | BELL | ALLSN | | | TUBE | CRACKED | 5443 | 12/19/97 |
| | | 206B | 250C20 | | | 6875630 | GOV | | CA971231008 |
| | (CAN) AIR LINE FF | ROM COMPRESSOR SC | ROLL TO GOVERNO | R CRACKED AT FLAR | RE AT SCROLL END. | THIS CAUSED ENGINE TO | GO TO IDLE. | | |
| 320 | | BELL | ALLSN | | BENDIX | FUEL CONTROL | DEFECTIVE | | 12/17/96 |
| | | 206B | 250C20B | | 252464424 | 252464424 | ADJUSTER | 219 | CA970528020 |
| | (CAN) GROUND ID REMOVAL. REPLA | | 57 PERCENT N1 IDLE | E SPEED. ADJUSTME | NT SCREW FOUND | ГО BE EASY TO ROTATE E | Y HAND. NO BUILT IN FRI | CTION FELT | C. REASON FOR LAS |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|----------------------|-----------------------|----------------------|---|--|-----------|----------------------------|
| 7322 | | BELL | ALLSN | | CHNDLREVANS | FUEL CONTRL UNIT | FAILURE | | 10/21/97 |
| | | 206B | 250C20 | | 23034702 | 23034702 | ENGINE | 1593 | CA971113055 |
| | | | | | | | ATELY, THROTTLE WAS IN EL CONTROL UNIT REPLAC | | |
| 7322 | | BELL | ALLSN | | CHNDLREVANS | FUEL CONTRL UNIT | FAILURE | | 10/1/97 |
| | | 206B | 250C20 | | 23034702 | 23034702 | ENGINE | 1826 | CA971113051 |
| | (CAN) EXTREMELY | Y HOT STARTS, HANG | S AT 50-55 PERCENT I | N1. TRIM ADJUSTMI | ENT LIMITS REACHE | D WITH NO EFFECT. FUEL | L CONTROL UNIT REPLACE | ED. | |
| 7322 | | BELL | ALLSN | | CHNDLREVANS | FUEL CONTRL UNIT | FAILURE | | 10/1/97 |
| | | 206B | 250C20 | | 23034702 | 23034702 | ENGINE | 1216 | CA971113043 |
| | (CAN) SLOW STAG | NATED STARTS. THRO | OTTLE ADVANCE NE | CESSARY TO ACHIE | VE GROUND IDLE. F | UEL CONTROL UNIT REPL | ACED. | | |
| 7322 | | BELL | ALLSN | | CHNDLREVANS | FUEL CONTRL UNIT | FAILURE | | 10/1/97 |
| | | 206B | 250C20 | | 23034702 | 23034702 | ENGINE | 2 | CA971113049 |
| | (CAN) SLOW COOL | , INTERMITTENT HUN | G STARTS, IDLE INC | ONSISTENT, TRIM A | DJUSTMENT LIMITS | REACHED WITH NO EFFE | CT. FUEL CONTROL UNIT I | REPLACED | |
| 7322 | | BELL | ALLSN | | CECO | FCU | ERRATIC | | 9/13/97 |
| | | 206B | 250C20 | | 23034702 | 23034702 | ENGINE | 72 | CA971015050 |
| | (CAN) FUEL CONTI | ROL THROTTLE RESPO | ONSE ERRATIC AFTE | R IDLE. NO RESPON | SE TO ADJUSTMENT | S. REPLACED. | | | |
| 7322 | | BELL | ALLSN | | CHNDLREVANS | FUEL CONTRL UNIT | FAILURED | | 9/15/97 |
| | | 206B | 250C20 | | 23034702 | 23034702 | | 2 | CA971113050 |
| | (CAN) FIRST STAR | T OF DAY IS LONG AN | D COOL, IDLE IS INC | ONSISTENT. COULD | NOT ADJUST TO CO | RRECT. FUEL CONTROL U | JNIT REPLACED. | | |
| 7323 | | BELL | ALLSN | | | GOVERNOR | OVERSPEED | | 3/18/97 |
| | | 206B | 250C20 | | | 23006259 | ENGINE | 546 | CA970528018 |
| | (CAN) ENGINE OVI | ERSPEEDS AND GOVE | RNOR WILL NOT REC | OVER. PART TC: 9, | 362. | | | | |
| 7420 | | BELL | ALLSN | | UNISON | EXCITER | STRIPPED | 8346 | 2/11/98 |
| | | 206B | 250C20B | | 106149501 | 106149501 | ENG IGN | | CA970421052 |
| | (CAN) STRIPPED T | HREADS ON CONNECT | TONS, POSSIBLY CO | RROSION. REPLACE | D. | | | | |
| 7420 | | BELL | ALLSN | | | LEAD | STRIPPED | | 2/11/98 |
| | | 206B | 250C20B | | 6870855 | 6870855 | THREADS | | CA970421051 |
| | (CAN) STRIPPED TI | HREADS ON LEAD CO | NNECTOR, CORROSIO | ON MAY BE CAUSE. | REPLACED. | | | | |
| 7500 | | BELL | ALLSN | | | LINE | BROKEN | 7590 | 11/12/97 |
| | | 206B | 250C20 | | | 6876294 | BLEED VALVE | | CA971216001 |
| | (CAN) RIGID LINE | BETWEEN BLEED VAL | VE AND COMPRESSO | OR SCROLL FITTING | ALMOST BROKEN O | FF. | | | |
| 7530 | | BELL | ALLSN | | | TUBE | FAILED | 15 | 9/18/97 |
| | | 206B | 250C20 | | | 6876294B | BLEED SENSE | | CA970926003 |
| | | | | | | OURS LATER ANOTHER LI CAUSING LINE TO BREAK. | INE INSTALLED. SUBMITT | ER SUSPEC | TS THAT WHEN |
| 7714 | | BELL | ALLSN | | | TACH GENERATOR | SHEARED | | 3/11/97 |
| | | 206B | 250C20 | | | 206062627003 | N1 SHAFT | | CA970421043 |
| | (CAN) N1 TACH GE | NERATOR SHAFT SHE | ARED. | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|--------------------------------------|--|---------------------|-----------------------|----------------------|--------------------------|---------------------------|-----------|----------------------------|
| 7920 | | BELL | ALLSN | | | TUBE | LEAKING | | 3/20/97 |
| | | 206B | 250C20 | | | 206061541001 | OIL SYS | | CA970421059 |
| | (CAN) TUBE ASSE | MBLY LEAKING. TUBE | ENCASED IN HEAT S | SHRINK MAKING IT I | DIFFICIULT TO ASCI | ERTAIN ACTUAL AREA OF | LEAKAGE. | | |
| 6730 | | BELL | PWA | | | LINE | CHAFED | | 3/7/97 |
| | | 212 | PT6T3 | | | 70012J220W234 | FLT CONTROL | | CA970421046 |
| | (CAN) FLIGHT CO | NTROL SERVO HYDRA | ULIC LINES P/N 701 | 2J220W234 AND 70-0 | 12V000G146 WERE 0 | CHAFED THROUGH AND L | EAKING DUE TO IMPROPER O | CLAMPIN | G. |
| 5530 | | BELL | | | | SKIN | DAMAGED | | 9/29/97 |
| | | 407 | | | 206020113223 | 206020113181 | VERT STAB | | CA971007014 |
| | (CAN) INSPECTION ASB WILL BE ISSU | | T TWO GRINDING MA | ARKS WERE MADE D | URING MANUFACT | URE AT AFT BOTTOM SEC | CTION OF FORMERS FOR INST | ALLATIO | ON OF FAIRINGS. AN |
| 7230 | | BELL | PWA | | | COMPRESSOR | DAMAGED | | 2/21/98 |
| | | 412 | PT6T3B | | | | LT ENGINE | | AU980231 |
| | (AUS) LT ENGINE | COMPRESSOR DAMAG | ED. | | | | | | |
| 2730 | | BELL | | | | SPEED RIG | FAULTY | | 3/16/98 |
| | | 47G3B | | | | D7200131A | ELEVATOR CONTROL | | AU980267 |
| | (AUS) ELEVATOR | CONTROL SPEED RIG I | FERRULE MISSING FI | ROM FORK CAUSING | RIG TO BE INCORR | ECTLY LOCKWIRED. PER | SONNEL/MAINTENANCE ERF | OR. | |
| 6220 | | BELL | | | | NUT | WORN | | 3/11/98 |
| | | 47G3B | | | | 471301161 | MAIN ROTOR HEAD | 1093 | AU980290 |
| | (AUS) MAIN ROTO | R RETAINING NUT FAC | CE WORN BY SEAL E | EDGE LIP. | | | | | |
| 6220 | | BELL | | | | SUPPORT | CRACKED | | 3/3/98 |
| | | 47G3B | | | | 471402511 | MAIN ROTOR HEAD | | AU980234 |
| | (AUS) STABILIZER | R BAR DAMPER SUPPOI | RT PLATE CRACKED | AT ONE OF THE FOU | R MOUNTING BOLT | HOLES. | | | |
| 6220 | | BELL | | | | NUT | WORN | | 3/11/98 |
| | | 47G3B | | | | 471301161 | MAIN ROTOR HEAD | 1093 | AU980278 |
| | (AUS) MAIN ROTO | R MAST NUT WORN. S | SEAL EDGE LIP WOR | N INTO NUT FACE. | | | | | |
| 6220 | | BELL | | | | PIN | DAMAGED | | 2/1/98 |
| | | 47G3B1 | | | | 471201412 | MAIN ROTOR HEAD | | AU980258 |
| | ' | OR HUB BEARING PINS TH AD/BELL47/92 AMD | | MAIN ROTOR STRIKE | . BEARINGS WERE | ALSO UNSERVICEABLE. | FOUND DURING STRIP OF MA | IN ROTO | R HUB FOR |
| 6510 | | BELL | | | | DRIVE SHAFT | WORN | | 3/18/98 |
| | | 47G3B | | | | 47644232101 | TAIL ROTOR | | AU980287 |
| | (AUS) TAIL ROTO | R DRIVE SHAFT COUPL | LING SPLINES WORN | 0.3556MM (0.014 INC | H) BELOW MINIMU | M DIMENSIONS. | | | |
| 6710 | | BELL | | | | BEARING | WORN | | 3/18/98 |
| | | 47G3B | | | | 476310871 | MAIN ROTOR CONTR | | AU980288 |
| | ` ' | LECTIVE LEVER BEAR NTENANCE ERROR. | RING WORN. UNAPPR | ROVED REPAIR HAD | BEEN CARRIED OUT | Γ TO TAKE UP THE PLAY I | N THE WORN SHAFT AND BE | ARING. U | JNAPPROVED REPAIR. |
| 8520 | | BELL | LYC | | | STUD | FAILED | | 3/3/98 |
| | | 47G3B1 | VO435A1F | | | | ENG NR 5 CYL | | AU980259 |
| | (AUS) NR 5 CYLIN | DER HOLD DOWN STU | DS FAILED. | | | | | | |

| INTERNATIONAL | SERVICE DIFFICUI | TY REPORT SUMMARY | HELICOPTERS (cont'd) |
|---------------|---------------------|-----------------------|----------------------------|
| | . 366 VIGE DIEFIGUI | THE REFURE SURVINIANT | - 661.10.076.1683.00011.01 |

4/12/98 To 4/18/98 ISSUE: 98-16 ZAC-327

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|--------------------------------------|---------------------------------------|-----------------------|-----------------------|----------------------|---|-----------------------------------|------------|----------------------------|
| 6300 | | BOEING | | | | EXTENSION | CRACKED | 2618 | 8/18/97 |
| | | 1072 | | | A020301110 | A02D31473R | UPPER | | CA971007001 |
| | (CAN) ON 100 HOU LONG. | IR INSPECTION IAW SI | B 107-393, A POSITIVE | E IDENTIFICATION W | AS DETECTED. MA | G PARTICLE INSPECTION | FOUND A CRACK IN A PIN | HOLE APPR | OX 0.150 INCH |
| 6320 | | BOEING | | | | CASE | LEAKING | | 9/15/97 |
| | | 1072 | | | 107D2011515A | 107D22319 | LOWER | | CA971007002 |
| | (CAN) TRANSMISS | SION STARTED LEAKIN | NG OIL. CRACK FOUR | ND IN LOWER CASE. | OIL COMING FROM | I MIXBOX. | | | |
| 7230 | | CARSON | GE | | | B NUT | CROSS THREADED | | 9/23/97 |
| | | S61LSKRSKY | CT581401 | | | | T2 HARD LINE | 76 | CA971113033 |
| | | | | | | TLE USED FOR LANDING ED AND SCREWS TIGHTEN | . T2 HARD LINE B-NUT AT T NED. | HE COMPR | ESSOR DISCHARGE |
| 7260 | | CARSON | GE | | GE | GEAR | BROKEN | | 4/18/97 |
| | | S61LSKRSKY | CT581401 | | 500IT90G06 | 500IT90G06 | ACCESSORY BOX | 816 | CA970528014 |
| | (CAN) PIECE OF BI MAIN GEAR, 1 TO | | ID ON FORWARD AC | CESSORY GEARBOX | CHIP DETECTOR AT | PI CHECK, .250 INCH LO | NG BY .083 INCH WIDE. TWO | O TEETH FO | OUND MISSING ON |
| 7310 | | CARSON | GE | | | SEAL | CUT | | 3/8/98 |
| | | S61LSKRSKY | CT581401 | | | MS29513242 | NR 1 ENG FUEL | | CA970421045 |
| | (CAN) FUEL LEAK | ING FROM NR 1 ENG F | UEL PURIFIER. "O" R | RING CUT IN TWO PLA | ACES, POSSIBLY DO | NE ON INSTALLATION, R | EPLACED. | | |
| 7322 | | CARSON | GE | | HAMSTD | FCU | FAILED | | 10/23/97 |
| | | S61LSKRSKY | CT581401 | | 7257255 | 7257255 | NR 2 ENGINE | 254 | CA971113034 |
| | (CAN) NR 2 ENG FA | AILED TO RESPOND TO | O THE POWER DEMA | ND. EMERGENCY TH | HROTTLE WAS USED | O AND ENGINE RESPONDI | ED. FCU REPLACED. | | |
| 6310 | | ENSTRM | ALLSN | | | SHAFT | CRACKED | 1600 | 4/11/97 |
| | | ENSTROM480 | 250C20 | | | 41291023 | AFT FLANGE AREA | | CA970422039 |
| | (CAN) CRACK ORI | GINATING INSIDE SHA | AFT FLANGE, SPREAI | DING OUTWARD UNT | TIL PAST FLANGE. TI | HE CRACK TURNED 90 DE | EGREES AND SPREAD AROU | ND SHAFT. | |
| 7261 | | ENSTRM | ALLSN | | | SHAFT | CRACKED | 33 | 3/19/98 |
| | | ENSTROM480 | 250C20 | | | 41291023 | OIL COOLER | | CA970513023 |
| | (CAN) IN-FLIGHT I | FAILURE OF OIL COOL | ER CONNECTING SH | AFT. | | | | | |
| 7910 | | ENSTRM | ALLSN | | | OIL TANK | CRACKED | 1621 | 4/23/97 |
| | | ENSTROM480 | 250C20 | | | 2060605051 | ATTACHMENT | | CA970506018 |
| | (CAN) ENGINE OIL | TANK LOOSE, FOUNI | O OIL TANK SUPPORT | Γ FLANGE HAD COMI | PLETELY BROKEN A | AROUND ONE ATTACHING | G BOLT HOLE | | |
| 2435 | | HUGHES | ALLSN | | LEARSIEGLER | SHAFT | SHEARED | | 9/12/97 |
| | | 369E | 250C20B | | 150SG1170 | 230321691 | START/GEN | 838 | CA970930022 |
| | (CAN) STARTER G | ENERATOR SHAFT SH | EARED ON START UI | Р. | | | | | |
| 6310 | | HUGHES | ALLSN | | | CLUTCH | LOOSE RING | | 2/6/97 |
| | | 369D | 250C20B | | | 369D535051 | REAR BEARING | 177 | CA970421055 |
| | ` / | GING THE BEARING OPURGED. PART TC: 22 | | NG CLUTCH, THE RIN | IG SECURING THE R | EAR BEARING CAP POPPI | ED OFF. THE RING WAS REF | LACED, BU | JT CAME OFF AGAIN |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|--|---------------------|-----------------------|----------------------|--------------------------|---|------------|----------------------------|
| 6410 | | HUGHES | ALLSN | | | BLADE | DEBONDING | 2782 | 5/14/97 |
| | | 369D | 250C20B | | | 369D2161311N | LEADING EDGE | | CA970530009 |
| | ' | ING EDGE INSTALLED RS AFTER REPAIR. | PER MDHS NOTICE | 187 PT.II LEADING | EDGE STRIP FOUN | D STARTING TO DELAMIN | ATE 18 CMS FROM TIP AND | 3 CM TOWA | ARD ROOT. BLADE |
| 7210 | | HUGHES | ALLSN | | ALLISON | GEARBOX | CONTAMINATION | 10762 | 8/20/97 |
| | | 369D | 250C20B | | 6894171 | 6894171 | ENGINE | 2341 | CA971113040 |
| | (CAN) SCAVENGE | OIL SYSTEM FAILURE | . POSSIBLY MAKING | G METAL, REPLACED | . | | | | |
| 7230 | | HUGHES | ALLSN | | | COMPRESSOR | LEAKING | 6579 | 12/9/96 |
| | | 369D | 250C20B | | 6890550 | 6890550 | ENGINE | 3034 | CA970421058 |
| | (CAN) COMPRESS | OR DISCHARGE AIR LE | EAKING BETWEEN C | OMPRESSOR SCROLI | L DISCHARGE AND | STEEL INSERTS. PART TO | : 1,665. | | |
| 7250 | | HUGHES | ALLSN | | | PLATE | WARPED | | 5/7/97 |
| | | 369D | 250C20B | | 23053320 | | NR 8 BRG | 14 | CA970528016 |
| | ` ' | NR 8 BEARING OIL NO BECAME PROGRESSIV | | | | | ERS CHANGED. NR 8 BEAR | ING STOPPE | ED LEAKING, BUT |
| 7250 | | HUGHES | ALLSN | | ALLSN | TURBINE | SEIZED | 10440 | 10/18/97 |
| | | 369D | 250C20B | | 6898735 | 6898735 | ENGINE | 1 | CA971113038 |
| | (CAN) TURBINE W | OULD SEIZE ON STAR | T, WOULD BREAK L | OOSE AFTER COOL D | OWN, BUT GRIND | NG NOISE FROM TURBINE | PERSISTS. SOUNDS LIKE B | LADE RUB. | REPLACED. |
| 7310 | | HUGHES | ALLSN | | ALLISON | VALVE | LEAKING | | 10/30/97 |
| | | 369D | 250C20B | | 6895171 | 6895171 | ENG FUEL | | CA971113059 |
| | (CAN) WHEN STAI | RT PUMP TURNED ON, | CHECK VALVE LEAI | KS. VALVE REPLACE | ED. | | | | |
| 5330 | | KAMAN | | | | SKIN | CRACKED | 2322 | 4/22/97 |
| | | K1200 | | | | K931460015 | LT BS 183 | | CA970430001 |
| | | | | | | | LEFT HAND EDGE OF THE CORROSION EVIDENT. AIRC | | |
| 5220 | | ROBSIN | | | | BEARINGS | WORN | 1708 | 3/16/97 |
| | | R22BETA | | | | A1541 | MAST/HUB | | CA970408013 |
| | ` ' | | | | | | EARINGS (A-106-5 AND A-64 M/R HUB (A-154-1) BEYONI | , | LL AS THE RINGS (A- |
| 7160 | | ROBSIN | LYC | | | CABLE | BROKEN | | 5/5/97 |
| | | R22BETA | O320B2C | | | A5222 | CARB HEAT | | CA970514001 |
| | (CAN) PILOT COU | LD NOT ADJUST CARB | URETOR HEAT OUT | OF YELLOW ZONE. (| CABLE BROKEN. | | | | |
| 6300 | | ROBSIN | LYC | | | FANSHAFT | FRETTING | 400 | 4/16/96 |
| | | R44 | O540F1B5 | | | COO75 | TAPERED SHAFT | | CA970422023 |
| | (CAN) FANWHEEL | REMOVED FOR OTHE | R MAINTENANCE. I | FRETTING AND META | AL TRANSFER NOT | ICED BETWEEN THE FANS | HAFT AND FANWHEEL. | | |
| 6300 | | ROBSIN | LYC | | | BEARING ASSY | FRETTED | 286 | 4/16/97 |
| | | R44 | O540F1B5 | | | C0075 | TAPERED SHAFT | | CA970422025 |
| | | | | | | | | | |

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|-------------|------------------------------------|---|---------------------|-----------------------|----------------------|---|--|-------------|----------------------------|
| 6300 | | ROBSIN | | | | SWITCH | FAILED | 300 | 4/15/97 |
| | | R44 | | | | V31001 | BELT TENSION | | CA970507011 |
| | ' | R INVESTIGATING, FOU | | | | , | IND HEARD LOUD BANG AN CTUATOR TO OVER TENSIO | | |
| 6310 | | ROBSIN | LYC | | | SPRING | FAILED | 36 | 12/11/97 |
| | | R44 | O540F1B5 | | C0511 | A51423 | SPRAG CLUTCH | | CA971221016 |
| | (CAN) REF: RSB 21 HOURS AND WAS | | SPRING ASSY, WOU | LD NOT TRIP THE ST | OPPING OF THE AC | TUATOR ON THE LEFT SII | DE. SWITCH V3-1001 WAS O | K AND HAI | D BEEN DONE AT 497 |
| 6310 | | ROBSIN | LYC | | | CLUTCH | BROKEN | 299 | 4/14/97 |
| | | R44 | O540F1B5 | | | C0181 | SPRAG | | CA970422024 |
| | (CAN) GROWLING | NOISE ON SHUTDOW | N, CLUTCH SHAFT W | AS REMOVED AND D | DIS- ASSEMBLED. B | ROKEN EAR ON SPRAG CI | LUTCH. | | |
| 5610 | | SKRSKY | | | | WINDSHIELD | CRACKED | 15544 | 4/14/97 |
| | | S61N | | | | R2034183 | LEFT SIDE | | CA970422020 |
| | ` / | · · · · · · · · · · · · · · · · · · · | | | | RMAL HEAT SELECTION. A VINDSHIELD TEMP CONTR | ACRID SMELL PRESENT IN C ROL UNIT REPLACED. | COCKPIT. N | MAINTENANCE FOUND |
| 6210 | | SKRSKY | | | | BLADE | CRACKED | 4233 | 4/10/97 |
| | | S61N | | | | S61117020201067 | CUFF ATTACHMENT | | CA970521002 |
| | (CAN) IN FLIGHT | BIM INDICATION. BLA | DE REMOVED, SENT | OUT FOR REPAIR. CI | RACK FOUND STAR | RTING FROM CUFF ATTAC | HMENT BOLT HOLES. | | |
| 5313 | | SKRSKY | TMECA | | | LONGERON | CRACKED | 2860 | 10/16/97 |
| | | S76A | ARRIEL1S1 | | | 7620204001107 | BS 480 | | CA971027001 |
| | (CAN) LONGERON | CRACKED IN TWO LO | OCATIONS AT STN 48 | 0 LEFT AND RIGHT. | REPAIRED. AIRCRA | AFT TT: 2,795 HOURS. | | | |
| 7261 | | SKRSKY | ALLSN | | | THERMOSTAT | FAILED | | 4/23/97 |
| | | S76A | 250C30S | | | 28E251 | NR 1 ENG OIL | | CA970501001 |
| | ' | L TEMP HIGH IN CRUIS IRCRAFT RETURNED. | | | | SSIBLE INDICATION PROB | BLEM BUT 10 MINUTES LATI | ER, OIL PRE | SSURE WAS |
| 7314 | | SKRSKY | ALLSN | | TRW | SPLINES | WORN | 2522 | 9/8/97 |
| | | S76A | 250C30S | | 6896810 | | FUEL PUMP | | CA970916019 |
| | (CAN) FUEL PUMF | SPLINE SHAFT END W | ORN. REPLACED. | | | | | | |
| 7320 | | SKRSKY | TMECA | | TURBOMECA | LINE | CRACKED | 2176 | 11/6/97 |
| | | S76A | ARRIEL1S | | 1S1 | 0301037290 | P2 AIR LINE | | CA971114002 |
| | (CAN) P2 AIR LINE | E CRACKED AT B-NUT | WHERE IT ATTACHE | S TO THE FITTING A | T THE COMPRESSO | R DISCHARGE. REPLACEI | D. PART TC: 2,655. | | |
| 2500 | | SNIAS | | | | MIRROR | FAILED | | 5/22/97 |
| | | AS350B | | | | | ARM | | CA970528024 |
| | (CAN) MIRROR MO | OUNT BROKE OFF WHI | ERE UPPER ARM TRA | NSITIONS FROM TU | BE TO FLATTENED | AREA FOR BOLTING TO U | PPER BRACKET. THIS IS CO | MPANY BU | ILT FIXTURE. |
| 2820 | | SNIAS | TMECA | | TURBOMECA | VALVE | LEAKING | | 9/12/97 |
| | | AS350BA | ARRIEL1B | | 0174708010 | 0174708010 | ENG START DRAIN | 163 | CA971015049 |
| | (CAN) START DRA | | | EAKS SMALL AMOU | | | AT BOTH IDLE AND FULL TI | ROTTLE | REPLACED. |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO | |
|-------------|------------------------------------|---|---------------------|-----------------------|----------------------|--|-------------------------|------------|----------------------------|--|
| 2821 | | SNIAS | | | | FILTER | DAMAGED | | 2/18/97 | |
| | | AS350D | | | | 430112302 | HIGH PRESSURE | 139 | CA970226009 | |
| | (CAN) FILTER BY- | PASS LIGHT ON. FAUL | T TRACED TO DAM | AGED HIGH PRESSUR | E FUEL FILTER. FU | EL CONTROL UNIT ALSO R | EPLACED BECAUSE OF C | CANIMATING | TION. | |
| 822 | | SNIAS | TMECA | | | BOOST PUMP | FAILED | | 3/14/97 | |
| | | AS350B | ARRIEL1B | | | P94812203C | FUEL SYS | 874 | CA970421048 | |
| | (CAN)BOOST PUM | IP INTERNAL FAILURE | PRODUCING ALUMI | NUM FILINGS IN AIRI | FRAME FUEL FILTE | R. | | | | |
| 842 | | SNIAS | TMECA | | | TRANSMITTER | STICKING | | 2/7/97 | |
| | | AS350BA | ARRIEL1B | | | 647510032 | FUEL SENSOR | | CA970421054 | |
| | (CAN) FLOAT STU | CK AT 30 PERCENT. A | FTER DEFUELING, T. | APPING UNIT CAUSEI | D FLOAT TO FALL I | N SMALL INCREMENTS. UI | NIT REPLACED. | | | |
| 342 | | SNIAS | TMECA | | | TRANSMITTER | STICKING | | 2/10/97 | |
| | | AS350BA | ARRIEL1B | | | 647510033 | FUEL SYS | 3 | CA970421053 | |
| | ` ' | CKING AT 20-40 PERCE AND GAUGE RETURNE | | | OR STUCK AT 25 PE | ERCENT. COVER REMOVED |), MAGNETIC ARMATURE | ROTATED B | Y HAND. FLOAT | |
| 910 | | SNIAS | TMECA | | | BELT | SLIPPING | 277 | 9/29/97 | |
| | | AS350BA | ARRIEL1B | | | 704A33690004 | HYD PUMP | | CA971007003 | |
| | (CAN) LOSS OF HY | YDRAULICS ON CLIMB | OUT. PILOT CUT OF | F HYDRAULIC PRESS | SURE. AIRCRAFT LA | ANDED. HYD BELT LIKELY | Y SLIPPING AS BELT TENS | SION COULD | NOT BE OBTAINED | |
| 911 | | SNIAS | | | | ACCUMULATOR | BURST | | 4/24/97 | |
| | | AS350B1 | | | | 704A34240002 | DIAPHRAGM | | CA970528023 | |
| | (CAN) ACCUMULATOR DIAPHRAGM BURST. | | | | | | | | | |
| 320 | | SNIAS | TMECA | | | CROSSBEAM | CRACKED | | 2/7/97 | |
| | | AS350B | ARRIEL1B | | | 350A38021003 | UNDER MGB | 1165 | CA970421042 | |
| | (CAN) INSPECTION | N PER AD 96-156-071(B) | REVEALED CRACK | OF BI-DIRECTIONAL | CROSSBEAM OF MA | AIN GEARBOX. PART TC: 5 | 5,392. | | | |
| 322 | | SNIAS | TMECA | | | HOSE | LEAKING | | 5/18/97 | |
| | | AS350B | ARRIEL1B | | | 355A75130071 | LOWER OIL COOL | | CA970528026 | |
| | (CAN) HOSE FROM | M "T" VALVE TO LOWE | R OIL COOLER FOUN | ND LEAKING, 12 INCH | ES FROM OIL COOL | LER, BEHIND FRONT STRUT | | | | |
| 420 | | SNIAS | | | | LAMINATED HINGE | CRACKED | 20 | 4/25/97 | |
| | | AS350B2 | | | | 350A33215300 | TAIL ROTOR | | CA970505005 | |
| | (CAN) BLISTERS, O | CRACKS AND DELAMI | NATIONS IN BEARIN | G RUBBER MOUNTS | CAUSING AN INCRE | EASE IN HIGH FREQUENCY | VIBRATION. | | | |
| 730 | | SNIAS | TMECA | | SAMM | SERVO | FAILED | 70 | 9/20/97 | |
| | | AS350BA | ARRIEL1B | | | SC5084 | FLT CONTROL | | CA970930001 | |
| | (CAN) SERVO CAU | JSED FEEDBACK FOR I | FIRST 20 MINUTES O | F FLIGHT THEN IS AL | RIGHT. OAT 20C. | | | | | |
| 261 | | SNIAS | TMECA | | TURBOMECA | CHIP DETECTOR | OPEN | | 4/6/97 | |
| | | AS350B | ARRIEL1B | | 0235237600 | 0235237600 | ENG OIL | | CA970528011 | |
| | (CAN) CHIP DETEC | CTOR INOPERATIVE, O | PEN CIRCUIT BETW | EEN TIP AND PIN B. F | REPLACED. | | | | | |
| 322 | | SNIAS | TMECA | | TURBOMECA | FCU | MALFUNCTION | | 9/21/97 | |
| | | AS350B | ARRIEL1B | | 0164448390 | 0164448390 | ENGINE | 2162 | CA971113036 | |
| | ` ' | | | | | I TESTER INSTALLED AND TURN TO 380-385 RPM. FCU | | O APPROX 3 | 70 RPM, THEN | |

| INTERNATIONAL | SERVICE DIFFICUI | TY REPORT SUMMARY | HELICOPTERS (cont'd) |
|---------------|---------------------|-----------------------|----------------------------|
| | . 366 VIGE DIEFIGUI | THE REFURE SURVINIANT | - 661.10.076.1683.00011.01 |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | |
|-------------|-------------------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|-------------------------|-----------|-------------------|
| 7532 | | SNIAS | TMECA | | | BLEED VALVE | SHORTED | | 3/4/96 |
| | | AS350B | ARRIEL1B | | | 9550158260 | ENGINE | 199 | CA960503101 |
| | (CAN) VALVE FAI | LED DURING TEST FLIC | GHT OF NEW TACH E | BOX. VALVE WOULI | NOT CLOSE AT HIG | GH POWER SETTINGS. | | | |
| 7600 | | SNIAS | TMECA | | TURBOMECA | TUBE | CHAFFED | | 4/28/97 |
| | | AS350B | ARRIEL1B | | 0301037950 | 0301037950 | P3 AIR LINE | | CA970528019 |
| | (CAN) P3 AIR LINE | E CHAFED IN 5 PLACES. | REPLACED. | | | | | | |
| 7712 | | SNIAS | TMECA | | | INDICATOR | FAILED | | 2/14/97 |
| | | AS350BA | ARRIEL1B | | | 3053136 | ENG TORQUE | | CA970421047 |
| | (CAN) TORQUE IN | DICATOR INSTALLED | IN VERTICAL REFER | ENCE WINDOW WAS | S READING 12 PERC | ENT HIGH WITH ENGIN | E SHUTDOWN. | | |
| 7714 | | SNIAS | TMECA | | | TACH BOX | SHORTED | | 12/17/97 |
| | | AS350B | ARRIEL1B | | | 0177555170 | ENGINE BLEED | 2 | CA971231004 |
| | (CAN) TACH BOX FULL POWER. | CYCLED BLEED VALV | E OPEN AND CLOSEI | O A COUPLE OF TIME | ES BEFORE STAYING | G OPEN. THIS HAPPENEI | O SPORADICALLY AND AT I | OW ALTITU | DE, COULD NOT GET |
| 7714 | | SNIAS | TMECA | | | TACH BOX | SHORTED | | 3/4/96 |
| | | | | | | 0177555170 | ENGINE | 101 | CA960503102 |

FAILURE WAS ACCOMPANIED BY BURNING ELECTRICAL SMELL.

(End of INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - HELICOPTERS)

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|------------------------------------|--|---------------------|-----------------------|----------------------|---|------------------------|------------|----------------------------|
| 7250 | | AEROSP | ALLSN | | | TURBINE ASSY | DAMAGED | 5328 | 8/13/96 |
| | | AS355F1 | 250C20F | | | | FIRST STAGE | 2293 | CA960910039 |
| | , | The state of the s | | | | MENTS CONFIRMED ENGI AL DAMAGE TO THE FIRST | | | |
| 7314 | | BEECH | PWA | | | SCREW | DEFECTIVE | | 3/12/98 |
| | | 200BEECH | PT6A41 | | RG34720A | B2680 | FUEL PUMP | | AU980289 |
| | (AUS) FUEL PUMF | SCREWS FAILED TORG | QUE CHECK IAW RO | MEC SB 101SB018. | | | | | |
| 310 | | BELL | LYC | | | TUBE ASSEMBLY | BROKEN | | 12/28/97 |
| | | 205A1 | T5313B | | | 117050001 | PURGE SYSTEM | | CA980403008 |
| | (CAN) TUBE ASSE | EMBLY, PURGE SYSTEM | I, FOUND BROKEN A | AT THE BRAZING. THI | IS ASSEMBLY IS I | N THE FUEL STARTING SYS | TEM. | | |
| 210 | | BELL | ALLSN | | | GEARBOX | SEPARATED | 6481 | 3/24/98 |
| | | 206L | 250C20 | | | 23035185 | STUDS | 3355 | CA971014007 |
| | WEIGHT OF TURE | | SE IT WAS. TURBIN | E WAS REMOVED BY | | TURBINE TO GEARBOX, L DUD WITH NUT WAS STILL | | | |
| 230 | | BELL | ALLSN | | | STATOR VANE | BENT | | 9/18/97 |
| | | 206B | 250C20 | | 6990550 | 6899394 | 4TH STAGE | 2860 | CA971006003 |
| | ` / | OR STALL OCCURRED TIGATION REVEALED I | | | O.T., POWER REDI | JCED TO LOWER T.O.T. BE | LOW RED LINE. ON LAND | NG, POWER | APPLIED TO CHECK |
| 230 | | BELL | ALLSN | | | BOLT | CRACKED | | 1/30/97 |
| | | 206B | 250C20 | | | 684946812142 | COMPRESSOR | | CA970206015 |
| | , | LDING UP AN ENGINE A SING A GLASS, A CRAC | | , | | TAIN THE COMPRESSOR TO | O THE GEARBOX. IT WAS | A NEW BOLT | , BUT UPON CLOSE |
| 230 | | BELL | ALLSN | | | RING GROOVES | WORN | | 1/7/98 |
| | | 206B | 250C20 | | 6876667 | | FRONT SEAL | | CA970421038 |
| | (CAN) FRONT SEA | AL RING GROOVES WO | RN BEYOND LIMITS | | | | | | |
| 230 | | BELL | ALLSN | | | EXDUCER | CRACKED | | 7/26/96 |
| | | 206L | 250C20B | | | 6876667 | COMPRESSOR | | CA960801021 |
| | (CAN) WHILE DOI | NG A TURBINE CHANG | E, AME FOUND A CI | RACK IN THE COMPRI | ESSOR DISCHARG | E TUBE. SUSPECT CRACK | WAS CAUSED BY MECHAI | NICAL DAMA | GE. |
| 230 | | BELL | ALLSN | | | BEARING | SPALLING | | 9/9/97 |
| | | 206L | 250C20 | | 23038126 | 23009609 | COMPRESSOR | | CA970916016 |
| | (CAN) CHIP LIGHT BEARING AND SE | | DED. METAL ON PLU | IG. SEVERAL RUNUP | S AND METAL ON | PLUGS. COMPRESSOR CH. | ANGED. NR 1 BEARING RO | LLERS HAD | SPALLING ON END. |
| 240 | | BELL | ALLSN | | ALLISON | LINER | CRACKED | | 9/2/97 |
| | | 206B | 250C20 | | 23056130 | 23056130 | COMBUSTER | | CA971015047 |
| | (CAN) CRACK FO | UND IN LIP AREA CUMI | BUSTOR LINER ALSO | O MAKING HARD COM | NTACT WITH NOZ | ZLE AREA. | | | |
| 240 | | BELL | ALLSN | | | BEARING | FAILED | 78038 | 10/1/97 |
| | | 206L1 | 250C28B | | | 6873002 | ENG NR 2 | 566 | CA971021002 |
| | | | RING APPROACH, L | | | | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|-----------------------------------|--|-------------------------------|-----------------------|-------------------------------|---|---------------------------------|------------|----------------------------|
| 7260 | | BELL | ALLSN | | | STUD | LOOSE | | 2/11/98 |
| | | 206B | 250C20B | | 68760300 | 68760300 | ENG ASSORY DRV | | CA970421050 |
| | (CAN) LOOSE STU | D ON ENGINE ACCESS | ORY DRIVE GEARBO | X. REPLACED. | | | | | |
| 7261 | | BELL | ALLSN | | ALLISON | FITTING | REVERSED | | 10/1/97 |
| | | 206B | 250C20 | | 6898734 | 6877896 | ENG SCAV OIL | 89 | CA971113042 |
| | (CAN) SCAVENGE | OIL FITTING LEAKED | SINCE OVERHAUL IN | ISTALLATION. OIL I | FITTING INSTALLED | BACKWARDS. FITTING IN | ISTALLED PROPERLY AND | NEW SEAI | LS INSTALLED. |
| 7313 | | BELL | ALLSN | | | NOZZLE | CRACKED | | 2/11/98 |
| | | 206B | 250C20B | | 6898735 | 6898735 | ENGINE | | CA970421049 |
| | (CAN) FUEL NOZZ | LE CRACKED BEYOND | LIMITS. REPLACED | | | | | | |
| 7320 | | BELL | ALLSN | | | TUBE | CRACKED | 5443 | 12/19/97 |
| | | 206B | 250C20 | | | 6875630 | GOV | | CA971231008 |
| | (CAN) AIR LINE FI | ROM COMPRESSOR SCI | ROLL TO GOVERNOR | CRACKED AT FLAR | RE AT SCROLL END. | THIS CAUSED ENGINE TO | GO TO IDLE. | | |
| 7320 | | BELL | ALLSN | | BENDIX | FUEL CONTROL | DEFECTIVE | | 12/17/96 |
| | | 206B | 250C20B | | 252464424 | 252464424 | ADJUSTER | 219 | CA970528020 |
| | (CAN) GROUND IE REMOVAL. REPLA | | 57 PERCENT N1 IDLE | SPEED. ADJUSTME | NT SCREW FOUND T | O BE EASY TO ROTATE BY | HAND. NO BUILT IN FRIG | CTION FELT | Γ. REASON FOR LAST |
| 7320 | | BELL | ALLSN | | BENDIX | BYPASS VALVE | STUCK | 2324 | 12/17/96 |
| | | 206B | 250C20B | | 23057344 | | ENG FUEL | | CA970528021 |
| | (-) | O ADJUST START CYCL S VALVE STUCK OPEN. | | ALLING AND FAST E | EXCELLERATION OF | N1 RPM NOTED AT 20 PER | N1. FUEL PRESSURE WAS | NOTED AS | HIGH AS +30 PSI. |
| 7320 | | BELL | ALLSN | | | LINE | LEAKING | 3407 | 12/19/97 |
| | | 206B | 250C20 | | | 6875632 | FUEL CONTROL | | CA971231009 |
| | (CAN) FUEL NOTE | D DRIPPING FROM TH | E ENGINE COMPARTI | MENT OVERBOARD | DRAIN. FUEL LINE E | BETWEEN FUEL CONTROL | AND GOVERNOR LEAKIN | G. | |
| 7322 | | BELL | ALLSN | | CHNDLREVANS | FUEL CONTRL UNIT | FAILURE | | 10/1/97 |
| | | 206B | 250C20 | | 23034702 | 23034702 | ENGINE | 1826 | CA971113051 |
| | (CAN) EXTREMEL | Y HOT STARTS, HANG | S AT 50-55 PERCENT | N1. TRIM ADJUSTM | ENT LIMITS REACHE | ED WITH NO EFFECT. FUEI | CONTROL UNIT REPLACE | ED. | |
| 7322 | | BELL | ALLSN | | CHNDLREVANS | FUEL CONTRL UNIT | FAILURE | | 10/21/97 |
| | | 206B | 250C20 | | 23034702 | 23034702 | ENGINE | 1593 | CA971113055 |
| | | | | | | Γ-OFF OCCURRED IMMEDI AT CUTOFF POSITION. FU | | | |
| 7322 | | BELL | ALLSN | | CHNDLREVANS | FUEL CONTRL UNIT | FAILURED | | 9/15/97 |
| | | 206B | 250C20 | | 23034702 | 23034702 | | 2 | CA971113050 |
| | (CAN) FIRST STAR | RT OF DAY IS LONG AN | D COOL, IDLE IS INC | ONSISTENT. COULD | NOT ADJUST TO CO | RRECT. FUEL CONTROL U | JNIT REPLACED. | | |
| | ` ′ | | | | CHADL DEVIANC | FUEL CONTRL UNIT | FAILURE | | 10/1/97 |
| 7322 | | BELL | ALLSN | | CHNDLREVANS | FUEL CONTRL UNIT | TAILUKL | | 10/1/7/ |
| 7322 | | BELL 206B | ALLSN 250C20 | | 23034702 | 23034702 | ENGINE | 2 | CA971113049 |
| 7322 | (CAN) SLOW COO | 206B | 250C20 | ONSISTENT, TRIM A | 23034702 | | ENGINE | _ | CA971113049 |
| 7322 | (CAN) SLOW COO | 206B | 250C20 | ONSISTENT, TRIM A | 23034702 | 23034702 | ENGINE | _ | CA971113049 |
| | (CAN) SLOW COOL | 206B L, INTERMITTENT HUN | 250C20 NG STARTS, IDLE INC | ONSISTENT, TRIM A | 23034702 ADJUSTMENT LIMITS | 23034702 REACHED WITH NO EFFE | ENGINE CT. FUEL CONTROL UNIT | _ | CA971113049 |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|------------------------------|--|--|---|-----------------------|--|---|---|--------------------------|--|
| 7322 | | BELL | ALLSN | | CECO | FCU | ERRATIC | | 9/13/97 |
| | | 206B | 250C20 | | 23034702 | 23034702 | ENGINE | 72 | CA971015050 |
| | (CAN) FUEL CONTI | ROL THROTTLE RESPO | ONSE ERRATIC AFTE | R IDLE. NO RESPON | SE TO ADJUSTMENT | S. REPLACED. | | | |
| 7323 | | BELL | ALLSN | | | GOVERNOR | OVERSPEED | | 3/18/97 |
| | | 206B | 250C20 | | | 23006259 | ENGINE | 546 | CA970528018 |
| | (CAN) ENGINE OVE | ERSPEEDS AND GOVE | RNOR WILL NOT REC | COVER. PART TC: 9, | 362. | | | | |
| 7420 | | BELL | ALLSN | | | LEAD | STRIPPED | | 2/11/98 |
| | | 206B | 250C20B | | 6870855 | 6870855 | THREADS | | CA970421051 |
| | (CAN) STRIPPED TH | HREADS ON LEAD CO | NNECTOR, CORROSIO | ON MAY BE CAUSE. | REPLACED. | | | | |
| 7420 | | BELL | ALLSN | | UNISON | EXCITER | STRIPPED | 8346 | 2/11/98 |
| | | 206B | 250C20B | | 106149501 | 106149501 | ENG IGN | | CA970421052 |
| | (CAN) STRIPPED TH | HREADS ON CONNECT | TONS, POSSIBLY CO | RROSION. REPLACE | D. | | | | |
| 7530 | | BELL | ALLSN | | | TUBE | FAILED | 15 | 9/18/97 |
| | | 206B | 250C20 | | | 6876294B | BLEED SENSE | | CA970926003 |
| | , | | | , | | OURS LATER ANOTHER I | LINE INSTALLED. SUBMI'. K. | TTER SUSPEC | TS THAT WHEN |
| 7230 | | BELL | PWA | | | COMPRESSOR | DAMAGED | | 2/21/98 |
| | | 412 | PT6T3B | | | | LT ENGINE | | AU980231 |
| | (AUS) LT ENGINE COMPRESSOR DAMAGED. | | | | | | | | |
| | | | | | | | | | |
| 3520 | | BELL | LYC | | | STUD | FAILED | | 3/3/98 |
| 8520 | | BELL 47G3B1 | LYC VO435A1F | | | STUD | FAILED ENG NR 5 CYL | | 3/3/98 AU980259 |
| 8520 | (AUS) NR 5 CYLINE | | VO435A1F | | | STUD | | | |
| | (AUS) NR 5 CYLINE | 47G3B1 | VO435A1F | | | STUD CYLINDER | | | |
| | (AUS) NR 5 CYLINE | 47G3B1 DER HOLD DOWN STU | VO435A1F DS FAILED. | | | | ENG NR 5 CYL | | AU980259 |
| | | 47G3B1 DER HOLD DOWN STU CESSNA 150G | VO435A1F DS FAILED. CONT O200A | ΓΙGATION FOUND W | ORN EXHAUST VALV | CYLINDER 653426A13 | ENG NR 5 CYL WORN | LINDER BORE | AU980259 3/24/98 AU980325 |
| 3530 | | 47G3B1 DER HOLD DOWN STU CESSNA 150G | VO435A1F DS FAILED. CONT O200A | ΓΙGATION FOUND W | ORN EXHAUST VALV | CYLINDER 653426A13 | ENG NR 5 CYL WORN EXH VALVES | LINDER BORE | AU980259 3/24/98 AU980325 |
| 8530 | | 47G3B1 DER HOLD DOWN STU CESSNA 150G LINDERS HAD LOW CO | VO435A1F DS FAILED. CONT O200A MPRESSION. INVEST | ΓΙGATION FOUND W | ORN EXHAUST VALV | CYLINDER 653426A13 VE GUIDES AND GLAZED | ENG NR 5 CYL WORN EXH VALVES AND OUT OF ROUND CY | LINDER BORE 468 | AU980259 3/24/98 AU980325 ES. |
| 8530 | (AUS) ENGINE CYL | 47G3B1 DER HOLD DOWN STUI CESSNA 150G LINDERS HAD LOW CO CESSNA | VO435A1F DS FAILED. CONT O200A MPRESSION. INVEST CONT IO360K | | ORN EXHAUST VALV | CYLINDER 653426A13 VE GUIDES AND GLAZED | ENG NR 5 CYL WORN EXH VALVES AND OUT OF ROUND CYL FAILED | | AU980259 3/24/98 AU980325 ES. 2/18/98 |
| 8530 8530 | (AUS) ENGINE CYL | 47G3B1 DER HOLD DOWN STUI CESSNA 150G LINDERS HAD LOW CO CESSNA R172K | VO435A1F DS FAILED. CONT O200A MPRESSION. INVEST CONT IO360K | | ORN EXHAUST VALV | CYLINDER 653426A13 VE GUIDES AND GLAZED | ENG NR 5 CYL WORN EXH VALVES AND OUT OF ROUND CYL FAILED | | AU980259 3/24/98 AU980325 ES. 2/18/98 |
| 3530 3530 | (AUS) ENGINE CYL | 47G3B1 DER HOLD DOWN STUI CESSNA 150G LINDERS HAD LOW CO CESSNA R172K YLINDER HEAD SEPAI | VO435A1F DS FAILED. CONT O200A MPRESSION. INVEST CONT IO360K RATED AT ROCKER F | | ORN EXHAUST VALV | CYLINDER 653426A13 VE GUIDES AND GLAZED CYLINDER | ENG NR 5 CYL WORN EXH VALVES AND OUT OF ROUND CYD FAILED ROCKER PAD | | 3/24/98 AU980325 3S. 2/18/98 AU980209 |
| 3530 3530 | (AUS) ENGINE CYL | 47G3B1 DER HOLD DOWN STUI CESSNA 150G LINDERS HAD LOW CO CESSNA R172K YLINDER HEAD SEPAN | VO435A1F DS FAILED. CONT O200A MPRESSION. INVEST CONT IO360K RATED AT ROCKER F CONT IO360K | | ORN EXHAUST VALV | CYLINDER 653426A13 VE GUIDES AND GLAZED CYLINDER | ENG NR 5 CYL WORN EXH VALVES AND OUT OF ROUND CYL FAILED ROCKER PAD SEPARATED | 468 | AU980259 3/24/98 AU980325 ES. 2/18/98 AU980209 |
| 3530 3530 3530 | (AUS) ENGINE CYL | 47G3B1 DER HOLD DOWN STUI CESSNA 150G LINDERS HAD LOW CO CESSNA R172K YLINDER HEAD SEPAI CESSNA R172K LINDER HEAD SEPAR | VO435A1F DS FAILED. CONT O200A MPRESSION. INVEST CONT IO360K RATED AT ROCKER F CONT IO360K ATED. | | | CYLINDER 653426A13 VE GUIDES AND GLAZED CYLINDER CYLINDER | ENG NR 5 CYL WORN EXH VALVES AND OUT OF ROUND CYD FAILED ROCKER PAD SEPARATED RT AFT HEAD | 468 | 3/24/98 AU980325 3S. 2/18/98 AU980209 2/22/98 AU980210 |
| 8530 8530 8530 | (AUS) ENGINE CYL | 47G3B1 DER HOLD DOWN STUI CESSNA 150G LINDERS HAD LOW CO CESSNA R172K YLINDER HEAD SEPAI CESSNA R172K | VO435A1F DS FAILED. CONT O200A MPRESSION. INVEST CONT IO360K RATED AT ROCKER F CONT IO360K ATED. CONT | | ORN EXHAUST VALV MARVELSCHEB MA45 | CYLINDER 653426A13 VE GUIDES AND GLAZED CYLINDER | ENG NR 5 CYL WORN EXH VALVES AND OUT OF ROUND CYL FAILED ROCKER PAD SEPARATED | 468 | AU980259 3/24/98 AU980325 ES. 2/18/98 AU980209 |
| 8530 8530 8530 | (AUS) ENGINE CYL (AUS) RT FRONT CYL (AUS) RT REAR CYL (CAN) FUEL DRIPPI | 47G3B1 DER HOLD DOWN STUI CESSNA 150G LINDERS HAD LOW CO CESSNA R172K YLINDER HEAD SEPAI CESSNA R172K LINDER HEAD SEPARA CESSNA 180G ING HEAVILY FROM C | VO435A1F DS FAILED. CONT O200A MPRESSION. INVEST CONT IO360K RATED AT ROCKER F CONT IO360K ATED. CONT O470R ARBURETOR AFTER | BOLT DOWN PAD. | MARVELSCHEB MA45 N. CARBURETOR REI | CYLINDER 653426A13 VE GUIDES AND GLAZED CYLINDER CYLINDER FLOAT 30764 MOVED AND DISASSEMI | ENG NR 5 CYL WORN EXH VALVES AND OUT OF ROUND CYD FAILED ROCKER PAD SEPARATED RT AFT HEAD BROKEN | 468 478 AT PONTOON | 3/24/98 AU980325 SS. 2/18/98 AU980209 2/22/98 AU980210 12/30/97 CA980113003 |
| 8530 8530 8530 | (AUS) ENGINE CYL (AUS) RT FRONT CYL (AUS) RT REAR CYL (CAN) FUEL DRIPPI | 47G3B1 DER HOLD DOWN STUI CESSNA 150G LINDERS HAD LOW CO CESSNA R172K YLINDER HEAD SEPAI CESSNA R172K LINDER HEAD SEPAR CESSNA 180G ING HEAVILY FROM CEPEARS BOTH SUPPOR | VO435A1F DS FAILED. CONT O200A MPRESSION. INVEST CONT IO360K RATED AT ROCKER F CONT IO360K ATED. CONT O470R ARBURETOR AFTER I TANGS RADII ARE | BOLT DOWN PAD. | MARVELSCHEB MA45 N. CARBURETOR REI | CYLINDER 653426A13 VE GUIDES AND GLAZED CYLINDER CYLINDER FLOAT 30764 MOVED AND DISASSEMI FIRST, LOADING THE SC | ENG NR 5 CYL WORN EXH VALVES DAND OUT OF ROUND CYD FAILED ROCKER PAD SEPARATED RT AFT HEAD BROKEN CARB BLED. CARBURETOR FLO | 468 478 AT PONTOON | AU980259 3/24/98 AU980325 SS. 2/18/98 AU980209 2/22/98 AU980210 12/30/97 CA980113003 SEPARATED FROM |
| 8520 8530 8530 7322 | (AUS) ENGINE CYL (AUS) RT FRONT CYL (AUS) RT REAR CYL (CAN) FUEL DRIPPI | 47G3B1 DER HOLD DOWN STUI CESSNA 150G LINDERS HAD LOW CO CESSNA R172K YLINDER HEAD SEPAI CESSNA R172K LINDER HEAD SEPARA CESSNA 180G ING HEAVILY FROM C | VO435A1F DS FAILED. CONT O200A MPRESSION. INVEST CONT IO360K RATED AT ROCKER F CONT IO360K ATED. CONT O470R ARBURETOR AFTER | BOLT DOWN PAD. | MARVELSCHEB MA45 N. CARBURETOR REI | CYLINDER 653426A13 VE GUIDES AND GLAZED CYLINDER CYLINDER FLOAT 30764 MOVED AND DISASSEMI | ENG NR 5 CYL WORN EXH VALVES AND OUT OF ROUND CYL FAILED ROCKER PAD SEPARATED RT AFT HEAD BROKEN CARB BLED. CARBURETOR FLO | 468 478 AT PONTOON | 3/24/98 AU980325 SS. 2/18/98 AU980209 2/22/98 AU980210 12/30/97 CA980113003 |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO | |
|-------------|--|---|---------------------|-----------------------|----------------------|--------------------------|-------------------------|------------|----------------------------|--|
| 8520 | | CESSNA | CONT | | | STUD | SHEARED | | 2/23/98 | |
| | | 337F | IO360C | | | 6419441048 | NR 4&5 CYL | | AU980255 | |
| | (AUS) CRANKCAS | E LOWER THOUGH BO | LT LOCATED BETW | EEN NR 4 AND NR 5 C | YLINDERS SHEARE | ED OFF AT THE THREAD. | | | | |
| 8520 | | CESSNA | CONT | | | CRANKCASE | CRACKED | | 3/6/98 | |
| | | 402A | TSIO520E | | | 643202 | NR 5 CYL PAD | | AU980232 | |
| | (AUS) CRANKCAS | E CRACKED AT NR 5 C | YLINDER MOUNTIN | G PAD. BOTTOM TWO | O MOUNT STUDS B | ROKEN. | | | | |
| 3540 | | CESSNA | CONT | | | BEARING | FAILED | | 3/4/98 | |
| | | 404CESSNA | GTSIO520M | | | 537721 | ENG STARTER | 1069 | AU980309 | |
| | (AUS) STARTER S | HAFT BEARING FAILEI | D. METAL CONTAMI | NATION OF OIL SYST | EM. | | | | | |
| 314 | | CESSNA | GARRTT | | | FUEL PUMP | FAILED | | 9/7/97 | |
| | | 441 | TPE33110 | | | 8973809 | ENGINE | | CA971222002 | |
| | ` / | OULD NOT LIGHT UP D W RPM BELOW SPECS. | URING START UNTII | L 18 PERCENT-20 PER | CENT. A NORMAL | START LIGHT OFF IS 12 PE | ERCENT-14 PERCENT. FOUN | ND FUEL PU | MP OUTPUT | |
| 510 | | CESSNA | PWA | | | FLANGE | CRACKED | 2233 | 10/6/97 | |
| | | 550 | JT15D4 | | | 555225055 | ENG INLET | | CA971010005 | |
| | (CAN) BOTH ENGI | INE INLETS CRACKED | IN THE RADIUS OF T | HE COWL ATTACH F | LANGE ABOUT 5 IN | CHES LONG. REPAIRED. | PART TC: 2,837. | | | |
| 530 | | DHAV | PWA | | | VALVE GUIDE | LOOSE | | 2/25/98 | |
| | | DHC2EVANS | R985AN14B | | | 8408 | NR 1 CYL EXH | 269 | AU980214 | |
| | (AUS) NR 1 CYLINDER EXHAUST VALVE GUIDE LOOSE. | | | | | | | | | |
| 530 | | DHAV | PWA | | | CYLINDER | DEFECTIVE | | 3/3/98 | |
| | | DHC3 | R134059 | | | 366249 | NR 2 - 3 CYL EXH | 10 | AU980291 | |
| | (AUS) NR 2 AND N | R 3 CYLINDERS LEAKI | NG PAST EXHAUST | VALVES. | | | | | | |
| 530 | | DHAV | PWA | | | CYLINDER | LEAKING | | 3/3/98 | |
| | | DHC3 | R134059 | | R134059 | 366249 | NR 1 CYL | 10 | AU980292 | |
| | (AUS) NR 1 CYLIN | DER LEAKING BETWE | EN CYLINDER AND I | BARREL. | | | | | | |
| 261 | | ENSTRM | ALLSN | | | SHAFT | CRACKED | 33 | 3/19/98 | |
| | | ENSTROM480 | 250C20 | | | 41291023 | OIL COOLER | | CA970513023 | |
| | (CAN) IN-FLIGHT | FAILURE OF OIL COOL | ER CONNECTING SH | AFT. | | | | | | |
| 210 | | HUGHES | ALLSN | | ALLISON | GEARBOX | CONTAMINATION | 10762 | 8/20/97 | |
| | | 369D | 250C20B | | 6894171 | 6894171 | ENGINE | 2341 | CA971113040 | |
| | (CAN) SCAVENGE | OIL SYSTEM FAILURE | . POSSIBLY MAKING | G METAL, REPLACED. | | | | | | |
| 230 | | HUGHES | ALLSN | | | COMPRESSOR | LEAKING | 6579 | 12/9/96 | |
| | | 369D | 250C20B | | 6890550 | 6890550 | ENGINE | 3034 | CA970421058 | |
| | (CAN) COMPRESS | OR DISCHARGE AIR LE | EAKING BETWEEN C | OMPRESSOR SCROLL | DISCHARGE AND S | STEEL INSERTS. PART TC | : 1,665. | | | |
| 250 | | HUGHES | ALLSN | | | PLATE | WARPED | | 5/7/97 | |
| | | 369D | 250C20B | | 23053320 | | NR 8 BRG | 14 | CA970528016 | |
| | ' | NR 8 BEARING OIL NO BECAME PROGRESSIV | | | | | ERS CHANGED. NR 8 BEAR | ING STOPPE | D LEAKING, BUT | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|------------------------------------|--|--|-----------------------|----------------------|--------------------------|---|------------|----------------------------|
| 7250 | | HUGHES | ALLSN | | ALLSN | TURBINE | SEIZED | 10440 | 10/18/97 |
| | | 369D | 250C20B | | 6898735 | 6898735 | ENGINE | 1 | CA971113038 |
| | (CAN) TURBINE W | OULD SEIZE ON STAR | T, WOULD BREAK L | OOSE AFTER COOL D | OOWN, BUT GRINDIN | NG NOISE FROM TURBINE | PERSISTS. SOUNDS LIKE E | BLADE RUB. | REPLACED. |
| 7310 | | HUGHES | ALLSN | | ALLISON | VALVE | LEAKING | | 10/30/97 |
| | | 369D | 250C20B | | 6895171 | 6895171 | ENG FUEL | | CA971113059 |
| | (CAN) WHEN STAF | RT PUMP TURNED ON, | CHECK VALVE LEAI | KS. VALVE REPLACE | ED. | | | | |
| 7210 | | MTSBSI | GARRTT | | | BULL GEAR | FAILED | | 2/21/97 |
| | | MU2B35 | TPE3316 | | | 8937394 | GR BOX | 1755 | CA970226002 |
| **** | BASE AND/OR THI TEETH ON THE HI | E WEB DISK OR THE D | ISK RADIUS. COULD DLOSS OF DRIVE FR | HAVE BEEN CAUSEI | D BY FOREIGN OBJE | ECT ENTERING THE GEAR | HE BULL GEAR HAD FAILEI MESH AREA. DAMAGE TO N OF THE SCAVENGE PUMP | GEAR CAU | SED LOSS OF ALL |
| 7230 | | MTSBSI | GARRTT | | | IMPELLER | CRACKED | 9084 | 9/10/97 |
| | | MU2B36A | TPE3315 | | | 8962233 | 1ST STAGE | 2984 | CA970918006 |
| | ` ' | I GBI, THE COMPRESS PART TC: 11,482 HOU | | SMANTLED DUE TO | COMPRESSOR RUB. | 1ST STAGE IMPELLER HA | AS A CRACK IN IT. THIS PN | IS REFEREN | ICED IN SB TPE331A72 |
| 7261 | | MTSBSI | GARRTT | | | GASKET | FAILED | 70 | 10/24/97 |
| | | MU2B36 | TPE3316 | | | 8650914 | LT ENG SCAV | | CA971113013 |
| | ` / | UISE, CREW NOTICED GASKET CAUSING OII | | | | E MONITORED AND AIRC | CRAFT LANDED. FRETTED | AND DETER | IORATED TURBINE |
| 8520 | | PIPER | LYC | | | TAPPET | FAILED | | 2/28/98 |
| | | PA31350 | TIO540J2BD | | | | NR 4 CYL CAM | | AU980217 |
| | (AUS) LT ENGINE DAMAGED. | CRANKCASE HOLED II | N AREA ADJACENT | ГО NR 4 CYLINDER IN | NLET CAM FOLLOW | ER. CAM FOLLOWER HEA | AD MISSING. NR 3 CYLINDI | ER CAM FOL | LOWER ALSO |
| 8530 | | PIPER | LYC | | | CYLINDER | FAILED | | 3/21/98 |
| | | PA31 | TIO540A2C | | | L347561A | LT ENG NR 1 CYL | | AU980329 |
| | (AUS) LT ENGINE | NR 1 CYLINDER FAILE | D. METAL CONTAM | IINATION OF OIL SYS | STEM. | | | | |
| 8540 | | PIPER | LYC | | | GEAR | FAILED | | 3/2/98 |
| | | PA31350 | LTIO540J2BD | | | LW10297 | CRANK IDLER | 1628 | AU980298 |
| | (AUS) CRANKSHA | FT IDLER GEAR TEETH | FAILED. DAMAGE | TO CAMSHAFT GEAR | R AND CRANKSHAF | Γ GEAR. LOSS OF DRIVE T | TO OIL PUMP AND MAGNET | O. | |
| 8550 | | PIPER | LYC | | | FILTER | CONTAMINATED | | 3/16/98 |
| | | PA31350 | TIO540J2BD | | | | ENG OIL | | AU980275 |
| | (AUS) ENGINE OIL | FILTER CONTAMINA | ΓED WITH METAL. | | | | | | |
| 7210 | | PIPER | PWA | | | GEAR | FAILED | | 2/11/98 |
| | | PA42 | PT6A41 | | | | RT ENG RED GRBOX | | AU980220 |
| | ` ' | REDUCTION GEARBOY LL BLADES CAUSING I | | | CONTAMINATION OF | GEARBOX. GEARBOX D | ECOUPLED FROM POWER 1 | URBINE. SI | ECOND STAGE |
| 7250 | | PIPER | PWA | | | ENGINE | FAILED | | 2/11/98 |
| | | PA42 | PT6A41 | | | | TURBINE SECTION | 5209 | AU980283 |
| | (AUS) ENGINE POV | WER SECTION FAILED. | | | | | | | |

| INTERNATIONAL | SERVICE DIFFICUI | TY REPORT SUMMARY | ENGINES (cont'd) |
|---------------|--------------------------|---------------------|--------------------------|
| | . SER VIV.E I JIEEU . UI | TI REFURI SUNNIMARI | - CINCHINE, Y CCOIII (I) |

| <u>INTERNA</u> | ATIONAL SERVIC | E DIFFICULTY RE | PORT SUMMARY | - ENGINES (con | <u>t'd)</u> | | 4/12/98 To 4/18/9 | 98 IS | SUE: 98-16 ZAC-327 |
|----------------|----------------------|---|---------------------|-----------------------|----------------------|---|-----------------------------------|-----------|----------------------------|
| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
| 7261 | | SKRSKY | ALLSN | | | THERMOSTAT | FAILED | | 4/23/97 |
| | | S76A | 250C30S | | | 28E251 | NR 1 ENG OIL | | CA970501001 |
| | , | TEMP HIGH IN CRUISE RCRAFT RETURNED. (| | | | SIBLE INDICATION PROBI | EM BUT 10 MINUTES LATER, | OIL PRE | SSURE WAS |
| 7314 | | SKRSKY | ALLSN | | TRW | SPLINES | WORN | 2522 | 9/8/97 |
| | | S76A | 250C30S | | 6896810 | | FUEL PUMP | | CA970916019 |
| | (CAN) FUEL PUMP | SPLINE SHAFT END WO | ORN. REPLACED. | | | | | | |
| 7320 | | SKRSKY | TMECA | | TURBOMECA | LINE | CRACKED | 2176 | 11/6/97 |
| | | S76A | ARRIEL1S | | 1S1 | 0301037290 | P2 AIR LINE | | CA971114002 |
| | (CAN) P2 AIR LINE | CRACKED AT B-NUT V | WHERE IT ATTACHES | TO THE FITTING A | Γ THE COMPRESSOR | DISCHARGE. REPLACED | . PART TC: 2,655. | | |
| 7261 | | SNIAS | TMECA | | TURBOMECA | CHIP DETECTOR | OPEN | | 4/6/97 |
| | | AS350B | ARRIEL1B | | 0235237600 | 0235237600 | ENG OIL | | CA970528011 |
| | (CAN) CHIP DETEC | TOR INOPERATIVE, OF | PEN CIRCUIT BETWEE | EN TIP AND PIN B. F | REPLACED. | | | | |
| 7322 | | SNIAS | TMECA | | TURBOMECA | FCU | MALFUNCTION | | 9/21/97 |
| | | AS350B | ARRIEL1B | | 0164448390 | 0164448390 | ENGINE | 2162 | CA971113036 |
| | | | | | | ΓESTER INSTALLED AND JRN TO 380-385 RPM. FCU | CONFIRMED RPM DROP TO A REPLACED. | PPROX 3 | 370 RPM, THEN |
| 7532 | | SNIAS | TMECA | | | BLEED VALVE | SHORTED | | 3/4/96 |

(End of INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - ENGINES)

ARRIEL1B

(CAN) VALVE FAILED DURING TEST FLIGHT OF NEW TACH BOX. VALVE WOULD NOT CLOSE AT HIGH POWER SETTINGS.

AS350B

199 CA960503101

ENGINE

9550158260

<u>INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - COMPONENTS</u>

| 4/12/98 - | 4/18/98 | ISSUE: 98-1 | 6 ZAC-327 |
|-----------|---------|-------------|-----------|
| | | | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO |
|-------------|----------------------|-------------------------|---------------------|-----------------------|----------------------|--------------------------|------------------------|-----------|----------------------------|
| 3416 | | AYRES | | | | ALTIMETER | FRICTION | | 3/5/98 |
| | | S2RT15NORMAL | | | | 5934 | COCKPIT | | AU980295 |
| | (AUS) ALTIMETER | R FAILED AD/INST/8 AM | DT3. EXCESSIVE FR | ICTION TRAVELLING | G UP AND DOWN SO | CALE. | | | |
| 3424 | | AYRES | | | | INDICATOR | FAILED | | 3/19/98 |
| | | S2RT15NORMAL | | | | 5224TC | TURN & BANK | | AU980296 |
| | (AUS) TURN AND | SLIP INDICATOR FAUL | ΓΥ. INDICATOR ROT | OR WAS NOT SPINN | ING. INSTRUMENT | FAILED AD/INST/8 AMDT | 3. | | |
| 3452 | | CESSNA | | | | RESISTOR | BURNT | | 12/15/97 |
| | | 172N | | | RT395A | 3420221 | TRANSPONDER | | CA980113004 |
| | (CAN) SMOKE IN O | COCKPIT. TRANSPOND | ER FOUND TO HAVE | BURNT DIMMING RE | ESISTOR. REPAIREI | O AND CERTIFIED. | | | |
| 2562 | | PARTEN | | | | BATTERY | LEAKING | | 2/26/98 |
| | | P68B | | | ELT1104 | 4520130 | EMERG LOCATOR | | AU980225 |
| | (AUS) ELT BATTE | RY ACID SPILLAGE. AG | CID ATE THROUGH T | HE BATTERY CASE | AND BATTERY MOU | UNTING PLATE. | | | |
| 2562 | | PIPER | | | | BATTERY | LEAKING | | 2/9/98 |
| | | PA32300 | | | E01 | 9184 | EMERG LOCATOR | | AU980326 |
| | (AUS) ELT BATTE | RIES LEAKING. BATTE | RIES WERE DURACE | LL MN1300 TYPE MA | DE IN THE USA. | | | | |
| (End of INT | TERNATIONAL SEI | RVICE DIFFICULTY F | EPORT SUMMARY | Y - COMPONENTS) | | | | | |

<u>INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS</u>

| 4/12/98 . | 4/18/98 | ISSUE: 98-16 | ZAC-327 |
|-----------|-----------|--------------|---------|
| 7/14/70 | • 4/10/20 | 1000010 | |

| ATA OPER | REG. NO SERIAL NO | ACFT MAKE ACFT MODEL | ENG MAKE ENG MDL | PROP MAKE PROP MDL | COMP MFG COMP MDL | PART NAME PART NUMBER | PART COND PART LOC. | TT TSO | DIFF. DATE OPER CONT NO | | |
|-------------|--|-------------------------------------|---------------------|-----------------------|----------------------|--------------------------|-----------------------------|-----------|----------------------------|--|--|
| 6114 | | CESSNA | CONT | MCAULY | | HUB | CRACKED | | 3/24/98 | | |
| | | U206G | IO520F | D3A32C90 | | C90 | PROPELLER | 1182 | AU980333 | | |
| | () | HUB CRACKED ON FL TENANCE ERROR. | ANGE AREA. INVES | TIGATION ALSO FOU | IND THAT ALL THRE | EE BLADE SOCKETS WERE | E FILLED WITH `SILASTIC' SI | EALANT. | | | |
| 6110 | | PIPER | | SNSNCH | | BLADE | DAMAGED | 1175 | 12/30/97 | | |
| | | PA28180 | | 76EM8S5 | | | PROP LE & FACE | | CA980403009 | | |
| | (CAN) PROPELLER RECEIVED FOR CORROSION INSPECTION. CORROSION FOUND ON FACE SIDE OF THE BLADES ACCOMPANIED BY STONE DAMAGE. | | | | | | | | | | |
| (End of IN | TERNATIONAL SER | VICE DIFFICULTY I | DEDOBT SHIMMAR | V - DRODELLERS) | | | | | | | |



SERVICE DIFFICULTY REPORT SUMMARY GENERAL AVIATION - INDEX



The following information provides a tally of the Service Difficulty Reports (SDR's) contained in this weeks issue of the General Aviation SDR Summary. The totals represent only a summation of the SDR's that were submitted to the FAA, Aviation Data Systems Branch, AFS-620, and processed in time for inclusion in the Summary. The first table is a tally of the number of SDR's submitted through the indicated Flight Standards District Office (FSDO). The second table sorts the SDR's by the aircraft or equipment make and model. The heading at the top of each table provides a two digit Joint Aircraft System/Component (JASC) code grouping (e.g., JASC codes 1100 thru 1800 are represented by the heading labeled 11-18) which categorizes in general, the problem areas for each reported discrepancy.

The Flight Standards Service Difficulty Program objective is to achieve prompt and appropriate correction of conditions adversely affecting continued airworthiness of aeronautical products. This is accomplished by the collection of Service Difficulty and Malfunction or Defect Reports. SDR's are consolidation and collation into common data base where they are analyzed for trends, problems, and alert information. This information is then disseminated to the appropriate segments of the aviation community and to other FAA offices.

The number of SDR's submitted is not an indicator of the mechanical reliability or fitness of an air carrier's aircraft fleet and should not be used as such. The air carriers certificate holding office has the primary responsibility for planning, programming evaluations, and assessing the performance of operators. Questions regarding an air carrier's fleet performance should be directed to the appropriate Flight Standards District Office, Certificate Management Office, or Certificate Management Unit.

GENERAL AVIATION SUMMARY INDEX BY DISTRICT OFFICE

| DISTRICT OFFICE | 11-18 | 21-29 | SDR TOTA 30-38 | LS BY FAA A 45-49 | TA SYSTEM (51-57 | CHAPTER 61-67 | 71-79 | 80-85 | TOTAL |
|--------------------|-------|-------|-------------------|----------------------|----------------------|------------------|-------|-------|-------|
| AU S | 0 | 19 | 15 | 0 | 16 | 8 | 5 | 14 | 77 |
| CA | 0 | 28 | 34 | 0 | 37 | 30 | 64 | 0 | 193 |
| CE 01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| EA 03 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 3 |
| EA 13 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 3 |
| EA 25 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 3 |
| GL 01 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| GL 03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| GL 15 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| GL 19 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| GL 21 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 4 |
| GL 25 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| NE 03 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| NE 05 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| NM 01 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| NM 07 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| NM 08 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| NM 09 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| NM 11 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 5 |
| SO 15 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| SW 01 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| SW 03 | 0 | 50 | 46 | 0 | 5 | 37 | 35 | 0 | 173 |
| SW 05 | 0 | 7 | 4 | 0 | 0 | 4 | 1 | 0 | 16 |
| SW 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| SW 99 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| WP 01 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

| GENERAL | AVIATION S | SUMMARY INDE | X by DISTRICT | OFFICE (cont'd) |
|----------|------------|--------------|--|-----------------|
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| | | | |

| DISTRICT | | | SDR TOTA | LS BY FAA A | TA SYSTEM | CHAPTER | | | |
|----------|-------|-------|----------|-------------|-----------|---------|-------|-------|-------|
| OFFICE | 11-18 | 21-29 | 30-38 | 45-49 | 51-57 | 61-67 | 71-79 | 80-85 | TOTAL |
| WP 07 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 |
| WP 09 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| WP 19 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| WP 23 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| TOTALS | 0 | 110 | 106 | 0 | 65 | 88 | 116 | 20 | 505 |

GENERAL AVIATION SUMMARY INDEX by MANUFACTURER MAKE and MODEL

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| AIRCRAFT | AIRCRAFT | | | | | TA SYSTEM | | | | |
|----------|--------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| MAKE | MODEL | 11-18 | 21-29 | 30-38 | 45-49 | 51-57 | 61-67 | 71-79 | 80-85 | TOTAL |
| AEROSP | AS355F1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| AEROSP | SA365C | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| AIRTRC | AT502 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| AIRTRC | AT802 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| AMTRWG | WAGARO | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| AYRES | S2RT15NORMAL | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 3 |
| BEECH | 100BEECH | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| BEECH | 200BEECH | 0 | 6 | 7 | 0 | 0 | 0 | 1 | 0 | 14 |
| ВЕЕСН | 58 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 3 |
| BEECH | 65A90 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| BEECH | 65B80 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| BEECH | 76 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| BEECH | 95B55 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| BEECH | 99 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| BEECH | A100 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 3 |
| BEECH | A23 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| BEECH | B100 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| BEECH | B200C | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 4 |
| BEECH | C90 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| BEECH | D55 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| BEECH | F33A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| BELL | 204B | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| BELL | 205A1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| BELL | 206B | 0 | 2 | 1 | 0 | 7 | 10 | 26 | 0 | 46 |
| BELL | 206B3 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 3 |
| BELL | 206L | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 4 |
| BELL | 206L1 | 0 | 6 | 3 | 0 | 2 | 6 | 9 | 0 | 26 |
| | | | | | | - | | | | |

| AIRCRAFT MAKE AIRCRAFT MODEL 11-18 21-29 30-38 BELL 206L3 0 1 9 BELL 206L4 0 0 1 BELL 212 0 0 2 BELL 214ST 0 11 3 BELL 230 0 0 0 BELL 407 0 1 0 BELL 412 0 16 12 | 0 0 0 0 0 0 0 0 0 | 51-57 1 0 1 0 1 0 1 1 0 0 0 1 1 0 0 0 | 61-67 9 1 2 4 1 3 7 5 | 71-79 4 0 3 2 0 0 9 | 80-85 0 0 0 0 0 0 | 24 2 8 20 1 5 45 |
|--|---|--|---|----------------------------|-------------------------------------|------------------------------------|
| BELL 206L4 0 0 1 BELL 212 0 0 2 BELL 214ST 0 11 3 BELL 230 0 0 0 BELL 407 0 1 0 | 0 0 0 0 0 0 0 | 0 1 0 0 1 1 1 | 1 2 4 1 3 7 | 0 3 2 0 0 9 | 0 0 0 0 0 | 2 8 20 1 5 45 |
| BELL 212 0 0 2 BELL 214ST 0 11 3 BELL 230 0 0 0 BELL 407 0 1 0 | 0 0 0 0 0 0 | 1 0 0 1 1 0 | 2 4 1 3 7 | 3 2 0 0 9 | 0 0 0 0 | 8 20 1 5 45 |
| BELL 214ST 0 11 3 BELL 230 0 0 0 BELL 407 0 1 0 | 0 0 0 0 0 | 0 0 1 1 0 | 4 1 3 7 | 2 0 0 9 | 0 0 0 0 | 20 1 5 45 |
| BELL 230 0 0 0 BELL 407 0 1 0 | 0 0 0 0 | 0 1 1 0 | 1 3 7 | 0 0 9 | 0 0 0 | 1 5 45 |
| BELL 407 0 1 0 | 0 0 0 0 | 1 1 0 | 7 | 0 9 | 0 | 5 45 |
| | 0 0 0 | 1 0 | 7 | 9 | 0 | 45 |
| BELL 412 0 16 12 | 0 | 0 | | | | |
| | 0 | | 5 | 0 | 0 | |
| BELL 47G3B 0 1 0 | | 0 | | | 0 | 6 |
| BELL 47G3B1 0 0 0 | | | 1 | 0 | 1 | 2 |
| BELL OH58A 0 0 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| BNORM BN2A21 0 1 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| BOEING 1072 0 0 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| BOLKMS BK117A1 0 0 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| BOLKMS BK117A3 0 0 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| BOLKMS BK117B1 0 3 2 | 0 | 0 | 3 | 0 | 0 | 8 |
| BOLKMS BK117B2 0 3 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| BOLKMS BK117C1 0 4 0 | 0 | 0 | 2 | 0 | 0 | 6 |
| BOLKMS BO105LSA3 0 1 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| BOLKMS BO105S 0 4 7 | 0 | 0 | 5 | 7 | 0 | 23 |
| CARSON S61LSKRSKY 0 0 0 | 0 | 0 | 0 | 4 | 0 | 4 |
| CESSNA 150G 0 0 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| CESSNA 152 0 1 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| CESSNA 172N 0 0 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| CESSNA 172P 0 0 0 | 0 | 2 | 0 | 0 | 1 | 3 |
| CESSNA 172R 0 1 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| CESSNA 172RG 0 0 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| CESSNA 175 0 0 0 | 0 | 0 | 0 | 2 | 0 | 2 |

| GENERAL AV | TATION SUMMARY I | NDEX by MANU | FACTURER N | MAKE and MOD | OEL (cont'd) | | | 4/12/98 To | o 4/18/98 ISSU | E: 98-16 ZAC-32 |
|------------------|-------------------|--------------|------------|-------------------|----------------------|-----------------|------------------|------------|----------------|-----------------|
| AIRCRAFT MAKE | AIRCRAFT MODEL | 11-18 | 21-29 | SDR TOTA 30-38 | LS BY FAA A 45-49 | TA SYSTEM 51-57 | CHAPTER 61-67 | 71-79 | 80-85 | TOTAL |
| CESSNA | 175A | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| CESSNA | 180 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| CESSNA | 180G | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| CESSNA | 182F | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| CESSNA | 182N | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| CESSNA | 210J | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| CESSNA | 210M | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| CESSNA | 210N | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| CESSNA | 337F | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| CESSNA | 402A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| CESSNA | 402C | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 5 |
| CESSNA | 404CESSNA | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| CESSNA | 414 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| CESSNA | 414A | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| CESSNA | 421B | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| CESSNA | 421C | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| CESSNA | 441 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 6 |
| CESSNA | 500CESSNA | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| CESSNA | 525 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| CESSNA | 550 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 0 | 7 |
| CESSNA | A152 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| CESSNA | A188B | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| CESSNA | P210N | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| CESSNA | R172K | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| CESSNA | R182 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| CESSNA | TU206G | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |

CESSNA

U206C

| | IATION SUMMARY INI | DEX by MANU | FACTURER N | | · · · · · · · · · · · · · · · · · · · | | | <u>4/12/98 To</u> | o 4/18/98 ISSU | E: 98-16 ZAC-32 |
|------------------|--------------------|-------------|------------|-------------------|---------------------------------------|----------------------|------------------|-------------------|----------------|-----------------|
| AIRCRAFT MAKE | AIRCRAFT MODEL | 11-18 | 21-29 | SDR TOTA 30-38 | LS BY FAA A 45-49 | TA SYSTEM (51-57 | CHAPTER 61-67 | 71-79 | 80-85 | TOTAL |
| CESSNA | U206G | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| CHILD | S2APITTS | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| DHAV | DHC2EVANS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| DHAV | DHC3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 |
| DHAV | DHC6300 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| DIAMON | DA20A1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 3 |
| DOUG | MD900 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| EMB | EMB110P1 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 4 |
| ENSTRM | ENSTROM480 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 |
| GROB | G103TWNASTIR | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| GROB | G115C | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| GULSTM | 690D | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| GULSTM | 695A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| HELIO | H250 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| HUGHES | 369C | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| HUGHES | 369D | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 8 |
| HUGHES | 369E | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| KAMAN | K1200 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| LET | L13BLANIK | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| LUSCOM | 8A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| MTSBSI | MU2B30 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| MTSBSI | MU2B35 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| MTSBSI | MU2B36 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| MTSBSI | MU2B36A | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| PARTEN | P68B | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 4 |
| PARTEN | P68C | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |

PILATS

PC12

| AIRCRAFT | AIRCRAFT | | | SDR TOTA | LS BY FAA A | TA SYSTEM (| CHAPTER | | | |
|----------|----------|-------|-------|----------|-------------|-------------|---------|-------|-------|-------|
| MAKE | MODEL | 11-18 | 21-29 | 30-38 | 45-49 | 51-57 | 61-67 | 71-79 | 80-85 | TOTAL |
| PILATS | PC6B1H2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| PIPER | PA28151 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| PIPER | PA28180 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| PIPER | PA28236 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| PIPER | PA28R200 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| PIPER | PA28R201 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| PIPER | PA31 | 0 | 1 | 2 | 0 | 3 | 0 | 0 | 1 | 7 |
| PIPER | PA31310 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| PIPER | PA31350 | 0 | 1 | 3 | 0 | 4 | 1 | 0 | 3 | 12 |
| PIPER | PA32300 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| PIPER | PA42 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| PIPER | PA44180 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 4 |
| REIMS | F406 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ROBSIN | R22BETA | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| ROBSIN | R44 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 5 |
| SKRSKY | S61N | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| SKRSKY | S76A | 0 | 6 | 11 | 0 | 1 | 1 | 4 | 0 | 23 |
| SNIAS | AS350B | 0 | 2 | 0 | 0 | 0 | 2 | 6 | 0 | 10 |
| SNIAS | AS350B1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| SNIAS | AS350B2 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 3 |
| SNIAS | AS350BA | 0 | 4 | 0 | 0 | 0 | 1 | 1 | 0 | 6 |
| SNIAS | AS350D | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| ZLIN | Z242L | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

(End of AIR CARRIER SUMMARY INDEX by OPERATOR Report)

TOTALS

JOINT AIRCRAFT SYSTEM/COMPONENT CODE TABLE

PREFACE

The Joint Aircraft System/Component (JASC) Code Table is a modified version of the Air Transport Association of America (ATA), Specification 100 code. It was developed by the Federal Aviation Administration's (FAA), Aviation Data Systems Branch (AFS-620). Technical support was provided by the Galaxy Scientific Corporation, and various representatives of the air carrier and general aviation community.

Over the past four years, the JASC format of the ATA Spec 100 code has gained widespread industry acceptance. In a harmonized effort, the FAA's counterparts in Australia and Canada have adopted the JASC code with only a few exceptions. Some Canadian aircraft manufacturers have also recently adopted this new stardard.

This code table is constructed by using the new JASC four (4) digit code, along with an abbreviated code title. The abbreviated titles have been modified in some cases to clarify the intended use of the accompanying code. This table can be used as a quick reference chart, to assist in the coding and review of aircraft structures or systems data (i.e., Service Difficulty Report (SDR), Accident/Incident Report).

The current coding scheme used in the JASC code was introduced in May 1991, for the technical classification of SDR's. Its predecessor, the FAA aircraft system/component code, was a similar but more complex eight-digit code which was developed over 25 years ago. It was constructed around the computer technology of that period. It consisted of a four digit numerical code plus a four alpha character code to make data retrieval possible. Since that time, computer technology has advanced many fold. Reducing the code from eight to four characters simplifies coding, and in some cases, makes JASC coding match the ATA Specification 100 first three digits, which are used to identify aircraft systems. The ATA code does not reference the fourth digit, so it is free to be used for identifying components.

The JASC code aircraft structural section has increased due to problems inherent with aging aircraft. As an example, FAA code 5301 SXBD was expanded to 20 items due to the high rate of reporting in this area (8021 structural reports were received in 1989). In some instances, there was very little reporting and codes were combined into other systems if the safety impact was not significant. The overall reduction in codes has been from 568 FAA codes to 488 JASC codes, with the significant increase being in the structural area as stated earlier.

The JASC code divides the engine section into two major code groups to separate the turbine and reciprocating engines. The codes for the turbine engines are in JASC Chapter 72, Turbine/Turboprop Engine. The codes for the reciprocating engines are now exclusively found in JASC Chapter 85, Reciprocating Engine.

The other major deviation from ATA Spec 100 is in ATA section 2730, specifically involves the stall warning system. Early technology (primarily on smaller aircraft) directly linked the sensing of flight attitude to one of the components which furnished the means of manually controlling the flight attitude characteristics (elevator). Today, most large transport category aircraft utilize electronic units to sense the change in the environmental condition called stall, and use the data to influence navigation. ATA section 3410, Flight Environment Data, includes high speed warning in its code definition. Stall warning (low speed) is the reciprocal term of high speed warning, so its filing under the same code appears more logical. Thus, with the JASC code it was decided to move the stall warning system to Chapter 34 under the separate code JASC code 3418, Stall Warning System.

The FAA is continuing to pursue worldwide involvement from operators and manufacturers in addressing the need for international standardization of aircraft system/component codes. The ultimate goal is to develop a universal aircraft/component numbering standard which can be used in the manufacturer's maintenance manual, wiring diagram manual, system manuals and illustrated parts catalog. This harmonized standard must be a usable standard for the aircraft manufacturers, air carrier operators and the general aviation community.

We welcome comments and feedback regarding the possible forming of working groups to achieve this long range consideration of possibly harmonizing the ATA Specification 100 code and the JASC code. Comments may be directed to the FAA, Aviation Data Sytem Branch, AFS-620, P.O. Box 25082, Oklahoma City, OK 73125.

JOINT AIRCRAFT SYSTEM/COMPONENT CODE TABLE

JASC/ TITLE

2170 HUMIDITY CONTROL SYSTEM

| 11 PLACARDS AND | MARKINGS 22 | AUTO FLIGHT | 24 E | LECTRICAL POWER CONT'D |
|------------------------|-------------------------|--------------------------------|--------------|---------------------------------|
| 1100 PLACARDS AND N | MARKINGS 2200 | AUTO FLIGHT SYSTEM | 2424 | AC REGULATOR |
| | 2210 | | 2425 | AC INDICATING SYSTEM |
| 12 SERVICING | 2211 | AUTOPILOT COMPUTER | 2430 | DC GENERATING SYSTEM |
| 12 021(11011(0 | 2212 | ALTITUDE CONTROLLER | 2431 | BATTERY OVERHEAT WARN. SYSTEM |
| 1010 51151 0551/101110 | 2213 | FLIGHT CONTROLLER | 2432 | BATTERY/CHARGER SYSTEM |
| 1210 FUEL SERVICING | 2214 | AUTOPILOT TRIM INDICATOR | 2433 | DC RECTIFIER-CONVERTER |
| 1220 OIL SERVICING | 2215 | AUTOPILOT MAIN SERVO | 2434 | DC GENERATOR-ALTERNATOR |
| 1230 HYDRAULIC FLUID | 2216 | AUTOPILOT TRIM SERVO | 2435 | STARTER-GENERATOR |
| 1240 COOLANT SERVIC | ING 2220 | SPEED-ATTITUDE CORRECT. SYSTEM | 2436 | DC REGULATOR |
| 40 HELICOPTED VIDE | 2230 | AUTO THROTTLE SYSTEM | 2437 | DC INDICATING SYSTEM |
| 18 HELICOPTER VIBE | 2250 | A ERODYNAMIC LOAD ALLEVIATING | 2440 | EXTERNAL POWER SYSTEM |
| 1800 HELICOPTER VIB/I | NOISE ANALYSIS | | 2450 | AC POWER DISTRIBUTION SYSTEM |
| 1810 HELICOPTER VIBR | ATION ANALYSIS 23 | COMMUNICATIONS | 2460 | DC POWER/DISTRIBUTION SYSTEM |
| 1820 HELICOPTER NOIS | E ANALYSIS | | | |
| 24 AIR CONDITIONIA | 2300 | | <u> 25 E</u> | QUIPM ENT/FURNISHINGS |
| 21 AIR CONDITIONIN | | | 0500 | CARIN FOURMENT/FURNIOUMO |
| 2100 AIR CONDITIONIN | G SYSTEM 2311 | UHF COMMUNICATION SYSTEM | 2500 | CABIN EQUIPMENT/FURNISHINGS |
| 2110 CABIN COMPRESS | 2312 | VHF COMMUNICATION SYSTEM | 2510 | FLIGHT COMPARTMENT EQUIPMENT |
| 2120 AIR DISTRIBUTION | 2220 | DATA TRANSMISSION AUTO CALL | 2520 | PASSENGER COMPARTMENT EQUIPMENT |
| 2121 AIR DISTRIBUTION | 2330 | ENTERTAINMENT SYSTEM | 2530 | BUFFET/GALLEYS |
| | CONTROL SYSTEM 2340 | INTERPHONE & PA SYSTEM | 2540 | LAVATORIES |
| 2131 CABIN PRESSURE | 2250 | AUDIO INTEGRATING SYSTEM | 2550 | CARGO COMPARTMENTS |
| 2132 CABIN PRESSURE | 2260 | STATIC DISCHARGE SYSTEM | 2551 | AGRICULTURAL SPRAY SYSTEM |
| | OUTFLOW VALVE | AUDIO/VIDEO MONITORING | 2560 | EMERGENCY EQUIPMENT |
| 2134 CABIN PRESSURE | | ELECTRICAL POWER | 2561 | LIFE JACKET |
| 2140 HEATING SYSTEM | - · · · | <u> LEEGTRIOAL TOWER</u> | 2562 | EMERGENCY LOCATOR BEACON |
| 2150 CABIN COOLING S | | ELECTRICAL POWER SYSTEM | 2563 | PARACHUTE |
| | URE CONTROL SYSTEM 2410 | ALTERNATOR-GENERATOR DRIVE | 2564 | LIFE RAFT |
| | URE CONTROLLER 2420 | | 2565 | ESCAPE SLIDE |
| 2162 CABIN TEMPERAT | | | 2570 | ACCESSORY COMPARTMENT |
| 2163 CABIN TEMPERAT | **** | | 2571 | BATTERY BOX STRUCTURE |
| | 0112 02110011 | | 2572 | ELECTRONIC SHELF SECTION |

2423 PHASE ADAPTER

| 26 FIRE PROTECTION | 29 H | YDRAULIC POWER | <u>32 L</u> | ANDING GEAR |
|-------------------------------------|-------------|---------------------------------------|--------------|---|
| 2600 FIRE PROTECTION SYSTEM | 2900 | HYDRAULIC POWER SYSTEM | 3200 | LANDING GEAR SYSTEM |
| 2610 DETECTION SYSTEM | 2910 | HYDRAULIC, MAIN SYSTEM | 3201 | LANDING GEAR/WHEEL FAIRING |
| 2611 SMOKE DETECTION | 2911 | HYDRAULIC POWER-ACCUMULATOR-MAIN | 3210 | MAIN LANDING GEAR |
| 2612 FIRE DETECTION | 2912 | HYDRAULIC FILTER-MAIN SYSTEM | 3211 | MAIN LANDING GEAR ATTACH SECTION |
| 2613 OVERHEAT DETECTION | 2913 | HYDRAULIC PUMP. ELECT-ENGMAIN | 3212 | EMERGENCY FLOTATION SECTION |
| 2620 EXTINGUISHING SYSTEM | 2914 | HYDRAULIC HANDPUMP-MAIN | 3213 | MAIN LANDING GEAR STRUT/AXLE/TRUCK |
| 2621 FIRE BOTTLE, FIXED | 2915 | HYDRAULIC PRESSURE RELIEF VLV-MAIN | 3220 | NOSE/TAIL LANDING GEAR |
| 2622 FIRE BOTTLE, PORTABLE | 2916 | HYDRAULIC RESERVOIR-MAIN | 3221 | NOSE/TAIL LANDING GEAR ATTACH SECTION |
| AZ FILOUT CONTROLO | 2917 | HYDRAULIC PRESSURE REGULATOR-MAIN | 3222 | NOSE/TAIL LANDING GEAR STRUT/AXLE |
| 27 FLIGHT CONTROLS | 2920 | HYDRAULIC, AUXILIARY SYSTEM | 3230 | LANDING GEAR RETRACT/EXT. SYSTEM |
| 2700 FLIGHT CONTROL SYSTEM | 2921 | HYDRAULIC ACCUMULATOR-AUXILIARY | 3231 | LANDING GEAR DOOR RETRACT SECTION |
| 2701 CONTROL COLUMN SECTION | 2922 | HYDRAULIC FILTER-AUXILIARY | 3232 | LANDING GEAR DOOR ACTUATOR |
| 2710 AILERON CONTROL SYSTEM | 2923 | HYDRAULIC PUMP-AUXILIARY | 3233 | LANDING GEAR ACTUATOR |
| 2711 AILERON TAB CONTROL SYSTEM | 2925 | HYDRAULIC PRESSURE RELIEF-AUXILIARY | 3234 | LANDING GEAR SELECTOR |
| 2720 RUDDER CONTROL SYSTEM | 2926 | HYDRAULIC RESERVOIR-AUXILIARY | 3240 | LANDING GEAR BRAKE SYSTEM |
| 2721 RUDDER TAB CONTROL SYSTEM | 2927 | HYDRAULIC PRESSURE REGULATOR-AUX. | 3241 | BRAKE ANTI-SKID SECTION |
| 2722 RUDDER ACTUATOR | 2930 | HYDRAULIC SYSTEM INDICATING | 3242 | BRAKE |
| 2730 ELEVATOR CONTROL SYSTEM | 2931 | HYDRAULIC PRESSURE INDICATOR | 3243 | MASTER CYL/BRAKE VALVE |
| 2731 ELEVATOR TAB CONTROL SYSTEM | 2932 | HYDRAULIC PRESSURE SENSOR | 3244 | TIRE |
| 2740 STABILIZER CONTROL SYSTEM | 2933 | HYDRAULIC QUANTITY INDICATOR | 3245 | TIRE TUBE |
| 2741 STABILIZER POSITION INDICATING | 2934 | HYDRAULIC QUANTITY SENSOR | 3246 | WHEEL/SKI/FLOAT |
| 2742 STABILIZER ACTUATOR | 30 I | CE AND RAIN PROTECTION | 3250 | LANDING GEAR STEERING SYSTEM |
| 2750 TE FLAP CONTROL SYSTEM | | | 3251 | STEERING UNIT |
| 2751 TE FLAP POSITION IND. SYSTEM | 3000 | ICE/RAIN PROTECTION SYSTEM | 3252 | SHIMMY DAMPER |
| 2752 TE FLAP ACTUATOR | 3010 | AIRFOIL ANTI/DE-ICE SYSTEM | 3260 | LANDING GEAR POSITION & WARNING |
| 2760 DRAG CONTROL SYSTEM | 3020 | AIR INTAKE ANTI/DE-ICE SYSTEM | 3270 | AUXILIARY GEAR (TAIL SKID) |
| 2761 DRAG CONTROL ACTUATOR | 3030 | PITOT/STATIC ANTI-ICE SYSTEM | 33 I | <u>IGHTS</u> |
| 2770 GUST LOCK/DAMPER SYSTEM | 3040 | WINDSHIELD/DOOR RAIN/ICE REMOVAL | | |
| 2780 LE FLAP CONTROL SYSTEM | 3050 | ANTENNA/RADOME ANTI-ICE/DE-ICE SYSTEM | 3300 | LIGHTING SYSTEM |
| 2781 LE FLAP POSITION IND. SYSTEM | 3060 | PROP/ROTOR ANTI-ICE/DE-ICE SYSTEM | 3310 | FLIGHT COMPARTMENT LIGHTING |
| 2782 LE FLAP ACTUATOR | 3070 | WATER LINE ANTI-ICE SYSTEM | 3320 | PASSENGER COMPARTMENT LIGHTING |
| 28 FUEL | 3080 | ICE DETECTION | 3330 | CARGO COMPARTMENT LIGHTING |
| 2800 AIRCRAFT FUEL SYSTEM | <u>31 I</u> | <u>NSTRUMENTS</u> | 3340 3350 | EXTERIOR LIGHTING EMERGENCY LIGHTING |
| 2810 FUEL STORAGE | 3100 | INDICATING/RECORDING SYSTEM | | |
| 2820 ACFT FUEL DISTRIB. SYSTEM | 3110 | INSTRUMENT PANEL | <u>34 N</u> | AVIGATION |
| 2821 ACFT FUEL FILTER/STRAINER | 3120 | INDEPENDENT INSTRUMENTS (CLOCK, ETC.) | 3400 | NAVIGATION SYSTEM |
| 2822 FUEL BOOST PUMP | 3130 | DATA RECORDERS (FLT/MAINT) | 3410 | FLIGHT ENVIRONMENT DATA |
| 2823 FUEL SELECTOR/SHUTOFF VALVE | 3140 | CENTRAL COMPUTERS (EICAS) | 3411 | PITOT/STATIC SYSTEM |
| 2824 FUEL TRANSFER VALVE | 3150 | CENTRAL WARNING | 3412 | OUTSIDE AIR TEMP. IND./SENSOR |
| 2830 FUEL DUMP SYSTEM | 3160 | CENTRAL DISPLAY | 3413 | RATE OF CLIMB INDICATOR |
| 2840 ACFT FUEL INDICATING | 3170 | AUTOMATIC DATA | 3414 | AIRSPEED/MACH INDICATING |
| 2841 FUEL QUANTITY INDICATOR | | | 3415 | HIGH SPEED WARNING |
| 2842 FUEL QUANTITY SENSOR | | | 3416 | ALTIMETER, BAROMETRIC/ENCODER |
| 2843 FUEL TEMPERATURE INDICATING | | | | |
| | | | | |

2844 FUEL PRESSURE INDICATOR

| 34 N | AVIGATION CONT'D | <u>37 V</u> | ACUUM_ | 5247 | APU DOORS |
|--------------|---|-------------|----------------------------------|--------------|---|
| 3417 | AIR DATA COMPUTER | 3700 | VACUUM SYSTEM | 5248 | TAIL CONE DOORS |
| 3418 | STALL WARNING SYSTEM | 3710 | VACUUM DISTRIBUTION SYSTEM | 5250 | FIXED INNER DOORS |
| 3420 | ATTITUDE AND DIRECTION DATA SYSTEM | 3720 | VACUUM INDICATING SYSTEM | 5260 | ENTRANCE STAIRS |
| 3421 | ATTITUDE GYRO & IND. SYSTEM | | | 5270 | DOOR WARNING SYSTEM |
| 3422 | DIRECTIONAL GYRO & IND. SYSTEM | <u>38 W</u> | <u>/ATER/WASTE</u> | 5280 | LANDING GEAR DOORS |
| 3423 | MAGNETIC COMPASS | 3800 | WATER & WASTE SYSTEM | <u>53 F</u> | USELAGE |
| 3424 | TURN & BANK/RATE OF TURN INDICATOR | 3810 | POTABLE WATER SYSTEM | 5300 | FUSELAGE STRUCTURE (GENERAL) |
| 3425 | INTEGRATED FLT. DIRECTOR SYSTEM | 3820 | WASH WATER SYSTEM | 5301 | AERIAL TOW EQUIPMENT |
| 3430 | LANDING & TAXI AIDS | 3830 | WASTE DISPOSAL SYSTEM | 5302 | ROTORCRAFT TAIL BOOM |
| 3431 | LOCALIZER/VOR SYSTEM | 3840 | AIR SUPPLY (WATER PRESS. SYSTEM) | 5310 | FUSELAGE MAIN STRUCTURE |
| 3432 3433 | GLIDE SLOPE SYSTEM MICROWAVE LANDING SYSTEM | 45 C | ENTRAL MAINT. SYSTEM | 5311 5312 | FUSELAGE MAIN FRAME FUSELAGE MAIN BULKHEAD |
| 3434 | MARKER BEACON SYSTEM | 4500 | CENTRAL MAINT. COMPUTER | 5312 | FUSELAGE MAIN LONGERON/STRINGER |
| 3435 | HEADS UP DISPLAY SYSTEM | 1000 | CENTRAL MANNET. COM CTER | 5314 | FUSELAGE MAIN KEEL |
| 3436 | WIND SHEAR DETECTION SYSTEM | 49 A | IRBORNE AUXILIARY POWER | 5314 | FUSELAGE MAIN FLOOR BEAM |
| 3440 | INDEPENDENT POS. DETERMINING SYSTEM | | AUDDODNE ADU OVOTEM | 5315 | FUSELAGE MISCELLANEOUS STRUCTURE |
| 3441 | INERTIAL GUIDANCE SYSTEM | 4900 | AIRBORNE APU SYSTEM | 5320 | FUSELAGE FLOOR PANEL |
| 3442 | WEATHER RADAR SYSTEM | 4910 | APU COWLING/CONTAINMENT | 5321 | FUSELAGE INTERNAL MOUNT STRUCTURE |
| 3443 | DOPPLER SYSTEM | 4920 | APU CORE ENGINE | 5322 | FUSELAGE INTERNAL MOUNT STRUCTURE |
| 3444 | GROUND PROXIMITY SYSTEM | 4930 | A PU ENGINE FUEL & CONTROL | 5323 | FUSELAGE FIXED PARTITIONS |
| 3445 | AIR COLLISION AVOIDANCE SYSTEM (TCAS) | 4940 | APU START/IGNITION SYSTEM | 5324 | FUSELAGE MAIN PLATE/SKIN |
| 3446 | NON RADAR WEATHER SYSTEM | 4950 | APU BLEED AIR SYSTEM | 5340 | FUSELAGE MAIN ATTACH FITTINGS |
| 3450 | DEPENDENT POSITION DETERMINING SYSTEM | 4960 | APU CONTROLS | 5341 | WING ATTACH FITTINGS (ON FUSELAGE) |
| 3451 | DME/TACAN SYSTEM | 4970 | APU INDICATING SYSTEM | 5342 | STABILIZER ATTACH FITTINGS |
| 3452 | ATC TRANSPONDER SYSTEM | 4980 | APU EXHAUST SYSTEM | 5342 | LANDING GEAR ATTACH FITTINGS |
| 3453 | LORAN SYSTEM | 4990 | APU OIL SYSTEM | 5344 | FUSELAGE DOOR HINGES |
| 3454 | VOR SYSTEM | 51 S | TANDARD PRACTICES/STRUCTURES | 5345 | FUSELAGE EQUIPMENT ATTACH FITTINGS |
| 3455 | ADF SYSTEM | | | 5346 | POWERPLANT ATTACH FITTINGS |
| 3456 | OMEGA NAVIGATION SYSTEM | 5100 | STANDARD PRACTICES/STRUCTURES | 5347 | SEAT/CARGO ATTACH FITTINGS |
| 3457 | GLOBAL POSITIONING SYSTEM | 5101 | AIRCRAFT STRUCTURES | 5350 | FUSELAGE AERODYNAMIC FAIRINGS |
| 3460 | FLIGHT MANAGE. COMPUTING SYSTEM | 5102 | BALLOON REPORTS | | |
| | | | | | IACELLES/PYLONS |
| 35 O | XYGEN | <u>52 D</u> | <u>oors</u> | 5400 | NACELLE/PYLON STRUCTURE |
| 3500 | OXYGEN SYSTEM | 5200 | DOORS | 5410 | MAIN FRAME (ON NACELLE/PYLON) |
| 3510 | CREW OXYGEN SYSTEM | 5210 | PASSENGER/CREW DOORS | 5411 | FRAME/SPAR/RIB(NACELLE/PYLON) |
| 3520 | PASSENGER OXYGEN SYSTEM | 5220 | EMERGENCY EXIT | 5412 | BULKHEAD/FIREWALL (NAC/PYLON) |
| 3530 | PORTABLE OXYGEN SYSTEM | 5230 | CARGO/BAGGAGE DOORS | 5413 | LONGERON/STRINGER (NAC/PYLON) |
| 36 DI | NEUMATIC | 5240 | SERVICE DOORS | 5414 | PLATE SKIN (NAC/PYLONS) |
| 30 F | NEOWIATIC | 5241 | GALLEY DOORS | 5415 | ATTACH FITTINGS (NAC/PYLON) |
| 3600 | PNEUMATIC SYSTEM | 5242 | E/E COMPARTMENT DOORS | 55 S | TABILIZERS |
| 3610 | PNEUMATIC DISTRIBUTION SYSTEM | 5242 | HYDRAULIC COMPARTMENT DOORS | 5500 | EM PENNAGE STRUCTURE |
| 3620 | PNEUMATIC INDICATING SYSTEM | 5244 | ACCESSORY COMPARTMENT DOORS | 5510 | HORIZONTAL STABILIZER STRUCTURE |
| | | 5245 | AIR CONDITIONING COMPART, DOORS | 5511 | HORIZONTAL STABILIZER SPAR/RIB |
| | | 5246 | FLUID SERVICE DOORS | 5512 | HORIZONTAL STABILIZER PLATE/SKIN |
| | | 02.10 | . 10.2 01.0010 | 5513 | HORIZONTAL STABILIZER TAB STRUCTURE |
| | | | | 5520 | ELEVATOR STRUCTURE |
| | | | | | |

| 55 STABILIZERS CONT'D | 61 PROPELLERS/PROPULSORS | 67 ROTORS FLIGHT CONTROL |
|---|---|--|
| 5521 ELEVATOR SPAR/RIB STRUCTURE | 6100 PROPELLER SYSTEM | 6700 ROTORCRAFT FLIGHT CONTROL |
| 5522 ELEVATOR PLATES/SKIN STRUCTURE | 6110 PROPELLER ASSEMBLY | 6710 MAIN ROTOR CONTROL |
| 5523 ELEVATOR TAB STRUCTURE | 6111 PROPELLER BLADE SECTION | 6711 TILT ROTOR FLIGHT CONTROL |
| 5530 VERTICAL STABILIZER STRUCTURE | 6112 PROPELLER DE-ICE BOOT SECTION | 6720 TAIL ROTOR CONTROL SYSTEM |
| 5531 VERTICAL STABILIZER SPAR/RIB STRUCTURE | 6113 PROPELLER SPINNER SECTION | 6730 ROTORCRAFT SERVO SYSTEM |
| 5532 VERTICAL STABILIZER PLATES/SKIN | 6114 PROPELLER HUB SECTION | |
| 5533 VENTRAL STRUCTURE (ON VERT. STAB) | 6120 PROPELLER CONTROL SYSTEM | 71 POWERPLANT |
| 5540 RUDDER STRUCTURE | 6121 PROPELLER SYNCHRONIZER SECTION | 7100 POWERPLANT SYSTEM |
| 5541 RUDDER SPAR/RIB STRUCTURE | 6122 PROPELLER GOVERNOR | 7110 ENGINE COWLING SYSTEM |
| 5542 RUDDER PLATE/SKIN STRUCTURE | 6123 PROPELLER FEATHERING/REVERSING | 7111 COWL FLAP SYSTEM |
| 5543 RUDDER TAB STRUCTURE | 6130 PROPELLER BRAKING | 7112 ENGINE AIR BAFFLE SECTION |
| 5550 EMPENNAGE FLT. CONT. ATTACH FITTING | 6140 PROPELLER INDICATING SYSTEM | 7120 ENGINE MOUNT SECTION |
| 5551 HORIZONTAL STABILIZER ATTACH FITTING | CO. MAIN DOTOD | 7130 ENGINE FIRESEALS |
| 5552 ELEVATOR/TAB ATTACH FITTINGS | 62 MAIN ROTOR | 7160 ENGINE AIR INTAKE SYSTEM |
| 5553 VERT. STAB. ATTACH FITTINGS | 6200 MAIN ROTOR SYSTEM | 7170 ENGINE DRAINS |
| 5554 RUDDER/TAB ATTACH FITTINGS | 6210 MAIN ROTOR BLADES | |
| | 6220 MAIN ROTOR HEAD | 72 TURBINE/TURBOPROP ENGINE |
| <u>56 WINDOWS</u> | 6230 MAIN ROTOR MAST/SWASHPLATE | 7200 ENGINE (TURBINE/TURBOPROP) |
| 5600 WINDOW/WINDSHIELD SYSTEM | 6240 MAIN ROTOR INDICATING SYSTEM | 7210 TURBINE ENGINE REDUCTION GEAR |
| 5610 FLIGHT COMPARTMENT WINDOWS | | 7220 TURBINE ENGINE AIR INLET SECTION |
| 5620 PASSENGER COMPARTMENT WINDOWS | 63 MAIN ROTOR DRIVE | 7230 TURBINE ENGINE COMPRESSOR SECTION |
| 5630 DOOR WINDOWS | 6300 MAIN ROTOR DRIVE SYSTEM | 7240 TURBINE ENGINE COMBUSTION SECTION |
| 5640 INSPECTION WINDOWS | 6310 ENGINE/TRANSMISSION COUPLING | 7250 TURBINE SECTION |
| | 6320 MAIN ROTOR GEARBOX | 7260 TURBINE ENGINE ACCESSORY DRIVE |
| 57 WINGS | 6321 MAIN ROTOR BRAKE | 7261 TURBINE ENGINE OIL SYSTEM |
| 5700 WING STRUCTURE | 6322 ROTORCRAFT COOLING FAN SYSTEM | 7270 TURBINE ENGINE BYPASS SECTION |
| 5710 WING MAIN FRAME STRUCTURE | 6330 MAIN ROTOR TRANSMISSION MOUNT | |
| 5711 WING SPAR STRUCTURE | 6340 ROTOR DRIVE INDICATING SYSTEM | 73 ENGINE FUEL & CONTROL |
| 5712 WING RIB STRUCTURE | | 7300 ENGINE FUEL & CONTROL |
| 5713 WING LONGERON/STRINGER | 64 TAIL ROTOR | 7310 ENGINE FUEL DISTRIBUTION |
| 5714 WING CENTER BOX | 6400 TAIL ROTOR SYSTEM | 7311 ENGINE FUEL-OIL COOLER |
| 5720 WING MISCELLANEOUS STRUCTURE | 6410 TAIL ROTOR BLADE | 7312 FUEL HEATER |
| 5730 WING PLATES/SKINS | 6420 TAIL ROTOR HEAD | 7313 FUEL INJECTOR NOZZLE |
| 5740 WING ATTACH FITTINGS | 6440 TAIL ROTOR INDICATING SYSTEM | 7314 ENGINE FUEL PUMP |
| 5741 WING, FUSELAGE ATTACH FITTINGS | | 7320 FUEL CONTROLLING SYSTEM |
| 5742 WING, NAC/PYLON ATTACH FITTINGS | 65 TAIL ROTOR DRIVE | 7321 FUEL CONTROL/ELECTRONIC |
| 5743 WING, LANDING GEAR ATTACH FITTINGS | ATAN TAN BOTOR RRIVE OVETEN | 7322 FUEL CONTROL/CARBURETOR |
| 5744 CONTROL SURFACE ATTACH FITTINGS | 6500 TAIL ROTOR DRIVE SYSTEM | 7323 TURBINE GOVERNOR |
| 5750 WING CONTROL SURFACE STRUCTURE | 6510 TAIL ROTOR DRIVE SHAFT | 7324 FUEL DIVIDER |
| 5751 AILERON STRUCTURE | 6520 TAIL ROTOR GEARBOX | 7220 ENGINE FUEL INDICATING SYSTEM |
| 5752 AILERON TAB STRUCTURE | 6540 TAIL ROTOR DRIVE INDICATING SYSTEM | 7331 FUEL FLOW INDICATING |
| 5753 TE FLAP STRUCTURE | | 7332 FUEL PRESSURE INDICATING |
| 5754 LEADING EDGE DEVICE STRUCTURE | | 7333 FUEL FLOW SENSOR |
| 5755 SPOILER STRUCTURE | | 7334 FUEL PRESSURE SENSOR |
| 0.00 OI OILLIN OTHOUTOILL | | |

| 74 | <u>IGNITION</u> | <u>78 E</u> | ENGINE EXHAUST | 8530 | RECIPROCATING ENGINE CYLINDER SECTION |
|-----------|--|-------------|------------------------------------|------|---------------------------------------|
| 7400 | IGNITION SYSTEM | 7800 | ENGINE EXHAUST SYSTEM | 8540 | RECIPROCATING ENGINE REAR SECTION |
| 7410 | IGNITION POWER SUPPLY | 7810 | ENGINE COLLECTOR/TAILPIPE/NOZZLE | 8550 | RECIPROCATING ENGINE OIL SYSTEM |
| 7411 | LOW TENSION COIL | 7820 | ENGINE NOISE SUPPRESSOR | | |
| 7412 | EXCITER | 7830 | THRUST REVERSER | | |
| 7413 | INDUCTION VIBRATOR | | | | |
| 7414 | MAGNETO/DISTRIBUTOR | 79 I | ENGINE OIL | | |
| 7420 | IGNITION HARNESS (DISTRIBUTION) | <u> </u> | | | |
| 7421 | SPARK PLUG/IGNITER | 7900 | ENGINE OIL SYSTEM (AIRFRAME) | | |
| 7430 | IGNITION SWITCHING | 7910 | ENGINE OIL STORAGE (AIRFRAME) | | |
| | | 7920 | ENGINE OIL DISTRIBUTION (AIRFRAME) | | |
| <u>75</u> | <u>AIR</u> | 7921 | ENGINE OIL COOLER | | |
| 7500 | ENGINE BLEED AIR SYSTEM | 7922 | ENGINE OIL TEMP. REGULATOR | | |
| 7510 | ENGINE ANTI-ICING SYSTEM | 7923 | OIL SHUTOFF VALVE | | |
| 7520 | ENGINE COOLING SYSTEM | 7930 | ENGINE OIL INDICATING SYSTEM | | |
| | COM PRESSOR BLEED CONTROL | 7931 | ENGINE OIL PRESSURE | | |
| 7530 | COMPRESSOR BLEED CONTROL COMPRESSOR BLEED GOVERNOR | 7932 | ENGINE OIL QUANTITY | | |
| 7531 | COMPRESSOR BLEED GOVERNOR COMPRESSOR BLEED VALVE | 7933 | ENGINE OIL TEMPERATURE | | |
| 7532 | | | | | |
| 7540 | BLEED AIR INDICATING SYSTEM | 80 9 | <u>STARTING</u> | | |
| <u>76</u> | ENGINE CONTROLS | 8000 | ENGINE STARTING SYSTEM | | |
| 7600 | ENGINE CONTROLS | 8010 | ENGINE CRANKING | | |
| 7600 | ENGINE CONTROLS ENGINE SYNCHRONIZING | 8011 | ENGINE STARTER | | |
| 7601 | | 8012 | ENGINE START VALVES/CONTROLS | | |
| 7602 | MIXTURE CONTROL | 0012 | ENGINE OTAKT VALVEO/OONTROLO | | |
| 7603 | POWER LEVER | 81 | TURBOCHARGING | | |
| 7620 | ENGINE EMERGENCY SHUTDOWN SYSTEM | | <u> </u> | | |
| 77 | ENGINE INDICATING | 8100 | EXHAUST TURBINE SYSTEM (RECIP) | | |
| | | 8110 | POWER RECOVERY TURBINE (RECIP) | | |
| 7700 | ENGINE INDICATING SYSTEM | 8120 | EXHAUST TURBOCHARGER | | |
| 7710 | POWER INDICATING SYSTEM | | | | |
| 7711 | ENGINE PRESSURE RATIO (EPR) | <u>82</u> | WATER INJECTION | | |
| 7712 | ENGINE BM EP/TORQUE INDICATING | 8200 | WATER INJECTION SYSTEM | | |
| 7713 | MANIFOLD PRESSURE (MP) INDICATING | | | | |
| 7714 | ENGINE RPM INDICATING SYSTEM | 83 | ACCESSORY GEARBOXES | | |
| 7720 | ENGINE TEMP. INDICATING SYSTEM | 8300 | ACCESSORY GEARBOXES | | |
| 7721 | CYLINDER HEAD TEMP (CHT) INDICATING | 0000 | NOOLOGOKT GEMIDONEG | | |
| 7722 | ENG. EGT/TIT INDICATING SYSTEM | 8.5 | RECIPROCATING ENGINE | | |
| 7730 | ENGINE IGNITION ANALYZER SYSTEM | | | | |
| 7731 | ENGINE IGNITION ANALYZER | 8500 | ENGINE (RECIPROCATING) | | |
| 7732 | ENGINE VIBRATION ANALYZER | 8510 | RECIPROCATING ENGINE FRONT SECTIO | | |
| 7740 | ENGINE INTEGRATED INSTRUMENT SYSTEM | 8520 | RECIPROCATING ENGINE POWER SECTION | N | |

MECHANICS CREED

UPON MY HONOR I swear that I shall hold in sacred trust the rights and privileges conferred upon me as a certified mechanic. Knowing full well that the safety and lives of others are dependent upon my skill and judgment, I shall never knowingly subject others to risks which I would not be willing to assume for myself, or for those dear to me.

IN DISCHARGING this trust, I pledge myself never to undertake work or approve work which I feel to be beyond the limits of my knowledge; nor shall I allow any non-certificated superior to persuade me to approve aircraft or equipment as airworthy against my better judgment; nor shall I permit my judgment to be influenced by money or other personal gain; nor shall I pass as airworthy aircraft or equipment about which I am in doubt, either as a result of direct inspection or uncertainty regarding the ability of others who have worked on it to accomplish their work satisfactorily.

I REALIZE the grave responsibility which is mine as a certified airman, to exercise my judgment on the airworthiness of aircraft and equipment. I, therefore, pledge unyielding adherence to these precepts for the advancement of aviation and for the dignity of my vocation.